



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: ARSYNCO
IAL Case Number: E13-08844

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael Leftin".

Michael H. Leftin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program.

Sample Summary

IAL Case No.

E13-08844

Client JMC Environmental Consultants

Project ARSYNCO

Received On 9/10/2013@15:33

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth</u>	<u>Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
08844-001	N-46W (0-2.0)		0/2	9/10/2013@09:40	Soil	1
08844-002	M-44S (0-2.0)		0/2	9/10/2013@09:55	Soil	1
08844-003	J-42S (0-2.0)		0/2	9/10/2013@10:45	Soil	1
08844-004	J-42S (2.0-4.0)		2/4	9/10/2013@10:46	Soil	1
08844-005	H-39S (0-2.0)		0/2	9/10/2013@11:21	Soil	1
08844-006	H-39S (2.0-4.0)		2/4	9/10/2013@11:22	Soil	1
08844-007	I-39S (0-2.0)		0/2	9/10/2013@12:00	Soil	1
08844-008	I-39W (0-2.0)		0/2	9/10/2013@12:30	Soil	1
08844-009	K-42S (0-2.0)		0/2	9/10/2013@13:25	Soil	1
08844-010	FB-6		n/a	9/10/2013@13:35	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on September 26, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B Indicates the analyte was found in the associated method blank as well as in the sample.
It indicates probable laboratory contamination.
- C Indicates analyte is a common laboratory contaminant.
- D Indicated analyte was reported from diluted analysis.
- E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

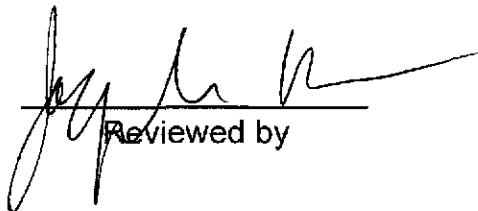
INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and nine (9) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-08844, Project: ARSYNCO) on September 10, 2013 for the analysis of:

(10) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by

9/25/13

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-08844

PCB By 8082

Batch ID: 130910-17	Matrix: Soil
---------------------	--------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery did not meet QC criteria. Due to matrix interference from the target compounds from the sample.
 - RPD between MS/MSD did not meet QC criteria. Due to matrix interference from the target compounds from the sample.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009
- E13-08844**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Sample 08844 -009 was run with 5x dilution due to a high concentration of the target compound. No dilution was performed on samples -001 through -008.

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-08844

PCB By 8082

Batch ID: 130911-04

Matrix: Aqueous

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 010
- The following samples were cleaned up using method 3665A: 010

E13-08844

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for sample 010.



Signature

9/12/2013

Date

E13-08844

0005

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-08844

	Lab ID:	08844-010							
	Client ID:	FB-6							
	Matrix:	Aqueous							
	Sampled Date	9/10/13							
PARAMETER(Units)		Conc	Q	MDL					
PCB's (Units)	<i>(mg/L-ppm)</i>								
Aroclor-1016	ND	0.00002							
Aroclor-1221	ND	0.00002							
Aroclor-1232	ND	0.00002							
Aroclor-1242	ND	0.00002							
Aroclor-1248	ND	0.00002							
Aroclor-1254	ND	0.00002							
Aroclor-1260	ND	0.00002							
Aroclor-1262	ND	0.00002							
Aroclor-1268	ND	0.00002							
PCBs	ND	0.00002							
	Lab ID:	08844-001	08844-002	08844-003	08844-004				
	Client ID:	N-46W (0-2.0)	M-44S (0-2.0)	J-42S (0-2.0)	J-42S (2.0-4.0)				
	Depth:	0/2	0/2	0/2	2/4				
	Matrix:	Soil	Soil	Soil	Soil				
	Sampled Date	9/10/13	9/10/13	9/10/13	9/10/13				
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1221	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1232	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1242	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1248	0.164	0.055	0.349	0.040	0.931	0.023	0.095	0.020	
Aroclor-1254	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1260	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1262	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
Aroclor-1268	ND	0.055	ND	0.040	ND	0.023	ND	0.020	
PCBs	0.164	0.055	0.349	0.040	0.931	0.023	0.095	0.020	
	Lab ID:	08844-005	08844-006	08844-007	08844-008				
	Client ID:	H-39S (0-2.0)	H-39S (2.0-4.0)	I-39S (0-2.0)	I-39W (0-2.0)				
	Depth:	0/2	2/4	0/2	0/2				
	Matrix:	Soil	Soil	Soil	Soil				
	Sampled Date	9/10/13	9/10/13	9/10/13	9/10/13				
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1221	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1232	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1242	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1248	3.15	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1254	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1260	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1262	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
Aroclor-1268	ND	0.027	ND	0.021	ND	0.030	ND	0.031	
PCBs	3.15	0.027	ND	0.021	ND	0.030	ND	0.031	

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.**SUMMARY REPORT**

Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-08844

Lab ID:	08844-009		
Client ID:	K-42S (0-2.0)		
Depth:	0/2		
Matrix:	Soil		
Sampled Date	9/10/13		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)		
Aroclor-1016	ND	0.161	
Aroclor-1221	ND	0.161	
Aroclor-1232	ND	0.161	
Aroclor-1242	ND	0.161	
Aroclor-1248	20.1	D	0.161
Aroclor-1254	ND	0.161	
Aroclor-1260	ND	0.161	
Aroclor-1262	ND	0.161	
Aroclor-1268	ND	0.161	
PCBs	20.1	D	0.161

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-001
Client ID: N-46W_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1605.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.50g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 73.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.137	0.055
Aroclor-1221	ND		0.137	0.055
Aroclor-1232	ND		0.137	0.055
Aroclor-1242	ND		0.137	0.055
Aroclor-1248	0.164		0.137	0.055
Aroclor-1254	ND		0.137	0.055
Aroclor-1260	ND		0.137	0.055
Aroclor-1262	ND		0.137	0.055
Aroclor-1268	ND		0.137	0.055
PCBs	0.164		0.137	0.055

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-002
Client ID: M-44S_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1606.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 62.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.101	0.040
Aroclor-1221	ND		0.101	0.040
Aroclor-1232	ND		0.101	0.040
Aroclor-1242	ND		0.101	0.040
Aroclor-1248	0.349		0.101	0.040
Aroclor-1254	ND		0.101	0.040
Aroclor-1260	ND		0.101	0.040
Aroclor-1262	ND		0.101	0.040
Aroclor-1268	ND		0.101	0.040
PCBs	0.349		0.101	0.040

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-003
Client ID: J-42S_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1607.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 38.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.058	0.023
Aroclor-1221	ND		0.058	0.023
Aroclor-1232	ND		0.058	0.023
Aroclor-1242	ND		0.058	0.023
Aroclor-1248	0.931		0.058	0.023
Aroclor-1254	ND		0.058	0.023
Aroclor-1260	ND		0.058	0.023
Aroclor-1262	ND		0.058	0.023
Aroclor-1268	ND		0.058	0.023
PCBs	0.931		0.058	0.023

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-004
Client ID: J-42S_(2.0
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1608.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	0.095		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	0.095		0.051	0.020

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-005
Client ID: H-39S_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1609.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 45.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.068	0.027
Aroclor-1221	ND		0.068	0.027
Aroclor-1232	ND		0.068	0.027
Aroclor-1242	ND		0.068	0.027
Aroclor-1248	3.15		0.068	0.027
Aroclor-1254	ND		0.068	0.027
Aroclor-1260	ND		0.068	0.027
Aroclor-1262	ND		0.068	0.027
Aroclor-1268	ND		0.068	0.027
PCBs	3.15		0.068	0.027

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-006
Client ID: H-39S_(2.0
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1610.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	ND		0.052	0.021
Aroclor-1248	ND		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	ND		0.052	0.021

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-007
Client ID: I-39S_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1611.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 49.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.075	0.030
Aroclor-1221	ND		0.075	0.030
Aroclor-1232	ND		0.075	0.030
Aroclor-1242	ND		0.075	0.030
Aroclor-1248	ND		0.075	0.030
Aroclor-1254	ND		0.075	0.030
Aroclor-1260	ND		0.075	0.030
Aroclor-1262	ND		0.075	0.030
Aroclor-1268	ND		0.075	0.030
PCBs	ND		0.075	0.030

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-008
Client ID: I-39W_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/11/2013
Data file: Y1612.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 51.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.078	0.031
Aroclor-1221	ND		0.078	0.031
Aroclor-1232	ND		0.078	0.031
Aroclor-1242	ND		0.078	0.031
Aroclor-1248	ND		0.078	0.031
Aroclor-1254	ND		0.078	0.031
Aroclor-1260	ND		0.078	0.031
Aroclor-1262	ND		0.078	0.031
Aroclor-1268	ND		0.078	0.031
PCBs	ND		0.078	0.031

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-009
Client ID: K-42S_(0-2
Date Received: 09/10/2013
Date Extracted: 09/10/2013
Date Analyzed: 09/12/2013
Data file: Y1637.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 54.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.402	0.161
Aroclor-1221	ND		0.402	0.161
Aroclor-1232	ND		0.402	0.161
Aroclor-1242	ND		0.402	0.161
Aroclor-1248	20.1	D	0.402	0.161
Aroclor-1254	ND		0.402	0.161
Aroclor-1260	ND		0.402	0.161
Aroclor-1262	ND		0.402	0.161
Aroclor-1268	ND		0.402	0.161
PCBs	20.1	D	0.402	0.161

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: 08844-010

Client ID: FB-6

Date Received: 09/10/2013

Date Extracted: 09/11/2013

Date Analyzed: 09/11/2013

Data file: R4137.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

PCB DATA

E13-08844 0020

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 09/06/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA130906-10	AQUEOUS	66		61		61		63	
PCB	LCSA130906-10	AQUEOUS	62		55		56		53	
TW-3/8.29	08681-007	AQUEOUS	62		61		57		61	
PCB	08681-007MS	AQUEOUS	60		61		55		67	
PCB	08681-007MSD	AQUEOUS	59		58		55		59	
FB_9	08733-018	AQUEOUS	61		63		57		67	
FB	08664-009	AQUEOUS	60		55		56		55	
TW-6/8.4	08681-010	AQUEOUS	55		63		51		53	
FB	08732-017	AQUEOUS	67		60		62		69	
FB_10	08733-019	AQUEOUS	99		92		104		94	

Surrogate QC Limits

Soil Aqueous

TCMX = Tetrachloro-m-xylene

30-150 30-150

DCB = Decachlorobiphenyl

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 09/11/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKA130911-04	AQUEOUS	63		79		70		94	
PCB		LCSA130911-04	AQUEOUS	58		74		64		83	
FB		08771-002	AQUEOUS	60		80		66		90	
MW-1		08756-001	AQUEOUS	54		80		58		89	
MW-2		08756-002	AQUEOUS	49		73		53		81	
MW-3		08756-003	AQUEOUS	51		74		56		82	
MW-4		08756-004	AQUEOUS	40		72		44		86	
FB		08756-005	AQUEOUS	57		70		63		78	
FB_(090913		08831-008	AQUEOUS	58		77		64		83	
FB-6		08844-010	AQUEOUS	68		85		75		100	

Surrogate QC Limits

Soil Aqueous

TCMX = Tetrachloro-m-xylene

30-150 30-150

DCB = Decachlorobiphenyl

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 09/11/2013

Client ID	Sample ID	Lab	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS130910-17	SOIL	73		69		79		74	
PCB	LCSS130910-17	SOIL	75		74		69		71	
PX-02-1_(8	08831-001	SOIL	85		74		76		84	
PCB	08831-001MS	SOIL	82		72		74		81	
PCB	08831-001MSD	SOIL	83		82		76		84	
PX-01-1_(1	08831-003	SOIL	72		80		68		78	
PX-07-1_(1	08831-006	SOIL	59		59		58		68	
PX-06-1_(8	08831-009	SOIL	75		71		72		76	
N-46W_(0-2	08844-001	SOIL	84		86		86		88	
M-44S_(0-2	08844-002	SOIL	70		86		76		84	
J-42S_(0-2	08844-003	SOIL	74		68		74		85	
J-42S_(2.0	08844-004	SOIL	74		69		75		75	
H-39S_(0-2	08844-005	SOIL	74		71		76		87	
H-39S_(2.0	08844-006	SOIL	75		70		76		86	
I-39S_(0-2	08844-007	SOIL	79		86		85		90	
I-39W_(0-2	08844-008	SOIL	81		79		85		100	
PX-02-1_(8	08831-001DL	SOIL	99		91		94		113	
PX-07-1_(1	08831-006DL	SOIL	65		61		66		76	
K-42S_(0-2	08844-009	SOIL	91		113		104		107	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSA130911-04

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	485.8	97	40 - 140
Aroclor-1260	500.0	0.0	595.9	119	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS130910-17

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	601.0	120	40 - 140
Aroclor-1260	500.0	0.0	598.5	120	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 08681-007

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	397.4	79	40 ~ 140
Aroclor-1260	500.0	0.0	373.0	75	40 ~ 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	% REC	% RPD	QC LIMITS RPD	REC.
Aroclor-1016	0.0	398.4	80	1	50	40 ~ 140	
Aroclor-1260	0.0	375.4	75	0	50	40 ~ 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 08831-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	640.9	128	40 - 140
Aroclor-1260	500.0	0.0	NC	NC	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	656.3	131	2	50	40 - 140
Aroclor-1260	0.0	NC	NC	NC	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 1 out of 2 outside limits

Spike Recovery: 2 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: Y1572.D

Instrument ID: GC-Y

Date Extracted: 09/06/2013

Matrix: AQUEOUS

Date Analyzed: 09/06/2013

Time Analyzed: 19:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA130906-10	09/06/2013	19:58
TW-3/8.29	08681-007	09/06/2013	20:15
PCB	08681-007MS	09/06/2013	20:33
PCB	08681-007MSD	09/06/2013	20:50
FB_9	08733-018	09/06/2013	21:08
FB	08664-009	09/06/2013	21:43
TW-6/8.4	08681-010	09/06/2013	22:00
FB	08732-017	09/06/2013	22:17
FB_10	08733-019	09/09/2013	10:59

PCB METHOD BLANK SUMMARY

Lab File ID: R4128.D

Instrument ID: GC-R

Date Extracted: 09/11/2013

Matrix: AQUEOUS

Date Analyzed: 09/11/2013

Time Analyzed: 16:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA130911-04	09/11/2013	17:09
FB	08771-002	09/11/2013	17:26
MW-1	08756-001	09/11/2013	17:44
MW-2	08756-002	09/11/2013	18:01
MW-3	08756-003	09/11/2013	18:19
MW-4	08756-004	09/11/2013	18:36
FB	08756-005	09/11/2013	19:11
FB_(090913	08831-008	09/11/2013	19:29
FB-6	08844-010	09/11/2013	19:46

PCB METHOD BLANK SUMMARY

Lab File ID: Y1597.D

Instrument ID: GC-Y

Date Extracted: 09/10/2013

Matrix: SOIL

Date Analyzed: 09/11/2013

Time Analyzed: 11:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS130910-17	09/11/2013	12:03
PX-02-1_(8	08831-001	09/11/2013	12:22
PCB	08831-001MS	09/11/2013	12:40
PCB	08831-001MSD	09/11/2013	12:57
PX-01-1_(1	08831-003	09/11/2013	13:15
PX-07-1_(1	08831-006	09/11/2013	13:32
PX-06-1_(8	08831-009	09/11/2013	13:49
N-46W_(0-2	08844-001	09/11/2013	14:07
M-44S_(0-2	08844-002	09/11/2013	14:24
J-42S_(0-2	08844-003	09/11/2013	14:42
J-42S_(2.0	08844-004	09/11/2013	16:27
H-39S_(0-2	08844-005	09/11/2013	17:02
H-39S_(2.0	08844-006	09/11/2013	17:19
I-39S_(0-2	08844-007	09/11/2013	17:37
I-39W_(0-2	08844-008	09/11/2013	17:54
PX-02-1_(8	08831-001DL	09/11/2013	18:29
PX-07-1_(1	08831-006DL	09/11/2013	19:04
K-42S_(0-2	08844-009	09/12/2013	10:58

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1369.D Y1368.D Y1367.D Y1366.D Y1365.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.22	3.22	3.22	3.22	3.22	3.22	3.15	3.29
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.59	4.60	4.59	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.23				3.16	3.30
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.26				6.18	6.34
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.98				6.89	7.07
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.93	8.93	8.93	8.93	8.93	8.93	8.03	9.83
Aroclor-1260 {3}	9.41	9.41	9.40	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.88	9.88	9.88	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.94	10.94	10.94	10.94	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1369.D Y1368.D Y1367.D Y1366.D Y1365.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	442872	449696	379176	364486	333780	394002	12.82
Aroclor-1016 {2}	637980	646721	523413	504620	465115	555570	14.76
Aroclor-1016 {3}	819727	794313	667109	648875	597542	705513	13.68
Aroclor-1016 {4}	393090	399504	331361	313397	287389	344948	14.34
Aroclor-1016 {5}	673709	664692	551367	533368	493081	583244	13.94
Aroclor-1221			186101				
Aroclor-1221 {2}			294424				
Aroclor-1221 {3}			190735				
Aroclor-1221 {4}			630298				
Aroclor-1221 {5}			145988				
Aroclor-1232			465157				
Aroclor-1232 {2}			280444				
Aroclor-1232 {3}			245917				
Aroclor-1232 {4}			273710				
Aroclor-1232 {5}			343890				
Aroclor-1242			431707				
Aroclor-1242 {2}			282594				
Aroclor-1242 {3}			384491				
Aroclor-1242 {4}			544086				
Aroclor-1242 {5}			490947				
Aroclor-1248			995074				
Aroclor-1248 {2}			599312				
Aroclor-1248 {3}			763326				
Aroclor-1248 {4}			1151800				
Aroclor-1248 {5}			912619				
Aroclor-1254			955181				
Aroclor-1254 {2}			758585				
Aroclor-1254 {3}			1359294				
Aroclor-1254 {4}			1488155				
Aroclor-1254 {5}			1345205				
Aroclor-1260	1954781	1818985	1606562	1575893	1447259	1680696	12.09
Aroclor-1260 {2}	952595	900012	764747	746661	685051	809813	13.82
Aroclor-1260 {3}	2085741	2020600	1847262	1819225	1667953	1888156	8.84
Aroclor-1260 {4}	1107549	1059258	1004689	992751	905699	1013989	7.49
Aroclor-1260 {5}	499488	454534	431960	451703	396982	446933	8.34

Average %RSD

12.01

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013 Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y1369.C Y1368.C Y1367.C Y1366.C Y1365.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.76				3.69	3.83
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.32				6.25	6.39
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.32				6.24	6.40
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.28				8.19	8.37
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File:

Y1369.C Y1368.C Y1367.C Y1366.C Y1365.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	908117	917641	794280	748278	660849	805833	13.51
Aroclor-1016 {2}	2010158	2072787	1829192	1747486	1577287	1847382	10.85
Aroclor-1016 {3}	4546148	4490124	4032861	3894702	3518203	4096408	10.47
Aroclor-1016 {4}	1987331	1976457	1770492	1718714	1557858	1802170	10.09
Aroclor-1016 {5}	1521339	1510944	1381256	1347534	1226462	1397507	8.78
Aroclor-1221			334600				
Aroclor-1221 {2}			584487				
Aroclor-1221 {3}			371889				
Aroclor-1221 {4}			1294455				
Aroclor-1221 {5}			285942				
Aroclor-1232			1109109				
Aroclor-1232 {2}			424107				
Aroclor-1232 {3}			920122				
Aroclor-1232 {4}			711509				
Aroclor-1232 {5}			969910				
Aroclor-1242			671924				
Aroclor-1242 {2}			1126011				
Aroclor-1242 {3}			1484895				
Aroclor-1242 {4}			274584				
Aroclor-1242 {5}			2371853				
Aroclor-1248			2536841				
Aroclor-1248 {2}			3830804				
Aroclor-1248 {3}			2762787				
Aroclor-1248 {4}			147659				
Aroclor-1248 {5}			1343717				
Aroclor-1254			3130572				
Aroclor-1254 {2}			2443480				
Aroclor-1254 {3}			2412423				
Aroclor-1254 {4}			1351538				
Aroclor-1254 {5}			3377514				
Aroclor-1260	1768490	1786131	1597667	1542745	1399117	1618830	10.00
Aroclor-1260 {2}	2522852	2584383	2271290	2188854	1984622	2310400	10.66
Aroclor-1260 {3}	2180151	2121304	2010909	1979566	1800269	2018440	7.26
Aroclor-1260 {4}	4155485	4495323	4451244	4472511	4070134	4328939	4.62
Aroclor-1260 {5}	2959142	3176946	3182464	3283751	2944346	3109330	4.83

Average %RSD

9.11

AROCLOL INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1369.D Y1368.D Y1367.D Y1366.D Y1365.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.94				10.82	11.06
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1369.C Y1368.C Y1367.C Y1366.C Y1365.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.78				10.66	10.90
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.03				10.91	11.15
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1369.D Y1368.D Y1367.D Y1366.D Y1365.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1387775				
Aroclor-1262 {2}			2648425				
Aroclor-1262 {3}			1040298				
Aroclor-1262 {4}			1134807				
Aroclor-1262 {5}			894133				
Aroclor-1268			2587189				
Aroclor-1268 {2}			2672004				
Aroclor-1268 {3}			2236567				
Aroclor-1268 {4}			6553869				
Aroclor-1268 {5}			3725214				

GC Column (2nd): DB-1701P

Data File: Y1369.C Y1368.C Y1367.C Y1366.C Y1365.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			3008098				
Aroclor-1262 {2}			6793066				
Aroclor-1262 {3}			2444772				
Aroclor-1262 {4}			4727992				
Aroclor-1262 {5}			887184				
Aroclor-1268			7276612				
Aroclor-1268 {2}			7276612				
Aroclor-1268 {3}			6109954				
Aroclor-1268 {4}			18240097				
Aroclor-1268 {5}			10434054				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/06/2013

Instrument ID: GC-Y

Data File: Y1571.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	384312	2.46
Aroclor-1016 {2}	4.05	3.98	4.12	555570	534401	3.81
Aroclor-1016 {3}	4.60	4.53	4.67	705513	664335	5.84
Aroclor-1016 {4}	5.10	5.03	5.17	344948	341420	1.02
Aroclor-1016 {5}	5.49	5.42	5.56	583244	543543	6.81
Aroclor-1260	8.26	7.36	9.16	1680696	1460853	13.08
Aroclor-1260 {2}	8.94	8.03	9.83	809813	669039	17.38
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1604946	15.00
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	850984	16.08
Aroclor-1260 {5}	10.95	10.05	11.85	446933	363011	18.78

Data File: Y1571.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	805833	864109	7.23
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1683901	8.85
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	3765445	8.08
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1626220	9.76
Aroclor-1016 {5}	5.49	5.42	5.56	1397507	1265997	9.41
Aroclor-1260	7.85	6.95	8.75	1618830	1384367	14.48
Aroclor-1260 {2}	8.11	7.21	9.01	2310400	1939234	16.07
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1653972	18.06
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	3689208	14.78
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	2586600	16.81

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/06/2013

Instrument ID: GC-Y

Data File: Y1582.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	397209	0.81
Aroclor-1016 {2}	4.05	3.98	4.12	555570	556795	0.22
Aroclor-1016 {3}	4.60	4.53	4.67	705513	693281	1.73
Aroclor-1016 {4}	5.10	5.03	5.17	344948	361719	4.86
Aroclor-1016 {5}	5.49	5.42	5.56	583244	576822	1.10
Aroclor-1260	8.26	7.36	9.16	1680696	1596565	5.01
Aroclor-1260 {2}	8.94	8.03	9.83	809813	736631	9.04
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1771617	6.17
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	949248	6.38
Aroclor-1260 {5}	10.95	10.05	11.85	446933	406914	8.95

Data File: Y1582.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	805833	791674	1.76
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1765745	4.42
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	4006920	2.18
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1743528	3.25
Aroclor-1016 {5}	5.49	5.42	5.56	1397507	1357896	2.83
Aroclor-1260	7.85	6.95	8.75	1618830	1532053	5.36
Aroclor-1260 {2}	8.11	7.21	9.01	2310400	2148829	6.99
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1861963	7.75
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	4129982	4.60
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	2917694	6.16

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/09/2013

Instrument ID: GC-Y

Data File: Y1583.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	419771	6.54
Aroclor-1016 {2}	4.04	3.98	4.12	555570	570789	2.74
Aroclor-1016 {3}	4.59	4.53	4.67	705513	722198	2.36
Aroclor-1016 {4}	5.09	5.03	5.17	344948	387037	12.20
Aroclor-1016 {5}	5.49	5.42	5.56	583244	597123	2.38
Aroclor-1260	8.26	7.36	9.16	1680696	1564477	6.91
Aroclor-1260 {2}	8.93	8.03	9.83	809813	731966	9.61
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1713635	9.24
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	931311	8.15
Aroclor-1260 {5}	10.95	10.05	11.85	446933	435603	2.54

Data File: Y1583.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	805833	912823	13.28
Aroclor-1016 {2}	4.37	4.29	4.43	1847382	1775268	3.90
Aroclor-1016 {3}	5.12	5.04	5.18	4096408	3950616	3.56
Aroclor-1016 {4}	5.33	5.25	5.39	1802170	1710646	5.08
Aroclor-1016 {5}	5.50	5.42	5.56	1397507	1332303	4.67
Aroclor-1260	7.86	6.95	8.75	1618830	1423552	12.06
Aroclor-1260 {2}	8.12	7.21	9.01	2310400	1962610	15.05
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1746695	13.46
Aroclor-1260 {4}	10.21	9.30	11.10	4328939	3845547	11.17
Aroclor-1260 {5}	10.80	9.89	11.69	3109330	2673672	14.01

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/09/2013

Instrument ID: GC-Y

Data File: Y1585.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	417852	6.05
Aroclor-1016 {2}	4.05	3.98	4.12	555570	575687	3.62
Aroclor-1016 {3}	4.60	4.53	4.67	705513	734546	4.12
Aroclor-1016 {4}	5.10	5.03	5.17	344948	376976	9.28
Aroclor-1016 {5}	5.49	5.42	5.56	583244	613128	5.12
Aroclor-1260	8.26	7.36	9.16	1680696	1728900	2.87
Aroclor-1260 {2}	8.94	8.03	9.83	809813	812541	0.34
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1935017	2.48
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	1049951	3.55
Aroclor-1260 {5}	10.95	10.05	11.85	446933	496757	11.15

Data File: Y1585.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	805833	787980	2.22
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1787107	3.26
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	3995749	2.46
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1758764	2.41
Aroclor-1016 {5}	5.49	5.42	5.56	1397507	1368030	2.11
Aroclor-1260	7.85	6.95	8.75	1618830	1588608	1.87
Aroclor-1260 {2}	8.11	7.21	9.01	2310400	2253170	2.48
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1974822	2.16
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	4400809	1.66
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	3130312	0.67

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/11/2013

Instrument ID: GC-Y

Data File:

Y1596.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	400066	1.54
Aroclor-1016 {2}	4.04	3.98	4.12	555570	546920	1.56
Aroclor-1016 {3}	4.59	4.53	4.67	705513	684563	2.97
Aroclor-1016 {4}	5.10	5.03	5.17	344948	370919	7.53
Aroclor-1016 {5}	5.49	5.42	5.56	583244	569799	2.31
Aroclor-1260	8.26	7.36	9.16	1680696	1517675	9.70
Aroclor-1260 {2}	8.93	8.03	9.83	809813	716082	11.57
Aroclor-1260 {3}	9.40	8.51	10.31	1888156	1684919	10.76
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	919717	9.30
Aroclor-1260 {5}	10.95	10.05	11.85	446933	392297	12.22

Data File:

Y1596.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	805833	912518	13.24
Aroclor-1016 {2}	4.37	4.29	4.43	1847382	1763402	4.55
Aroclor-1016 {3}	5.12	5.04	5.18	4096408	3975855	2.94
Aroclor-1016 {4}	5.33	5.25	5.39	1802170	1716592	4.75
Aroclor-1016 {5}	5.50	5.42	5.56	1397507	1342173	3.96
Aroclor-1260	7.86	6.95	8.75	1618830	1493917	7.72
Aroclor-1260 {2}	8.12	7.21	9.01	2310400	2110894	8.64
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1805993	10.53
Aroclor-1260 {4}	10.21	9.30	11.10	4328939	3913849	9.59
Aroclor-1260 {5}	10.80	9.89	11.69	3109330	2753864	11.43

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/11/2013

Instrument ID: GC-Y

Data File: Y1616.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	378708	3.88
Aroclor-1016 {2}	4.05	3.98	4.12	555570	530782	4.46
Aroclor-1016 {3}	4.60	4.53	4.67	705513	681115	3.46
Aroclor-1016 {4}	5.10	5.03	5.17	344948	360787	4.59
Aroclor-1016 {5}	5.49	5.42	5.56	583244	554724	4.89
Aroclor-1260	8.26	7.36	9.16	1680696	1490969	11.29
Aroclor-1260 {2}	8.94	8.03	9.83	809813	687046	15.16
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1654196	12.39
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	887671	12.46
Aroclor-1260 {5}	10.95	10.05	11.85	446933	370844	17.02

Data File: Y1616.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	805833	946014	17.40
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1845535	0.10
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	4134302	0.93
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1787520	0.81
Aroclor-1016 {5}	5.49	5.42	5.56	1397507	1391969	0.40
Aroclor-1260	7.85	6.95	8.75	1618830	1630438	0.72
Aroclor-1260 {2}	8.11	7.21	9.01	2310400	2300298	0.44
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	1873255	7.19
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	4131681	4.56
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	2878596	7.42

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/12/2013

Instrument ID: GC-Y

Data File: Y1636.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	387628	1.62
Aroclor-1016 {2}	4.04	3.98	4.12	555570	528465	4.88
Aroclor-1016 {3}	4.59	4.53	4.67	705513	675525	4.25
Aroclor-1016 {4}	5.10	5.03	5.17	344948	333650	3.28
Aroclor-1016 {5}	5.49	5.42	5.56	583244	557461	4.42
Aroclor-1260	8.26	7.36	9.16	1680696	1646135	2.06
Aroclor-1260 {2}	8.93	8.03	9.83	809813	774441	4.37
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1902654	0.77
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	1042078	2.77
Aroclor-1260 {5}	10.94	10.05	11.85	446933	498137	11.46

Data File: Y1636.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	805833	943854	17.13
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1833307	0.76
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	4121368	0.61
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1785870	0.90
Aroclor-1016 {5}	5.50	5.42	5.56	1397507	1391933	0.40
Aroclor-1260	7.86	6.95	8.75	1618830	1635141	1.01
Aroclor-1260 {2}	8.11	7.21	9.01	2310400	2326242	0.69
Aroclor-1260 {3}	9.70	8.80	10.60	2018440	2120723	5.07
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	4713487	8.88
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	3405835	9.54

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed:

09/12/2013

Instrument ID:

GC-Y

Data File:

Y1639.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	394002	384045	2.53
Aroclor-1016 {2}	4.05	3.98	4.12	555570	532452	4.16
Aroclor-1016 {3}	4.60	4.53	4.67	705513	670301	4.99
Aroclor-1016 {4}	5.10	5.03	5.17	344948	330158	4.29
Aroclor-1016 {5}	5.49	5.42	5.56	583244	548375	5.98
Aroclor-1260	8.26	7.36	9.16	1680696	1593878	5.17
Aroclor-1260 {2}	8.93	8.03	9.83	809813	748580	7.56
Aroclor-1260 {3}	9.41	8.51	10.31	1888156	1849391	2.05
Aroclor-1260 {4}	9.89	8.99	10.79	1013989	1009890	0.40
Aroclor-1260 {5}	10.94	10.05	11.85	446933	449400	0.55

Data File:

Y1639.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	805833	789808	1.99
Aroclor-1016 {2}	4.36	4.29	4.43	1847382	1805173	2.28
Aroclor-1016 {3}	5.11	5.04	5.18	4096408	4013889	2.01
Aroclor-1016 {4}	5.32	5.25	5.39	1802170	1744617	3.19
Aroclor-1016 {5}	5.49	5.42	5.56	1397507	1355831	2.98
Aroclor-1260	7.85	6.95	8.75	1618830	1580323	2.38
Aroclor-1260 {2}	8.10	7.21	9.01	2310400	2254937	2.40
Aroclor-1260 {3}	9.69	8.80	10.60	2018440	2020632	0.11
Aroclor-1260 {4}	10.20	9.30	11.10	4328939	4594421	6.13
Aroclor-1260 {5}	10.79	9.89	11.69	3109330	3365813	8.25

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.21	3.21	3.21	3.21	3.20	3.21	3.14	3.28
Aroclor-1016 {2}	4.04	4.04	4.04	4.04	4.03	4.04	3.97	4.11
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.12				2.05	2.19
Aroclor-1221 {2}			3.01				2.94	3.08
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.21				3.14	3.28
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.21				3.14	3.28
Aroclor-1232 {2}			4.04				3.97	4.11
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.04				3.97	4.11
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.29				8.20	8.38
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.96	8.96	8.96	8.96	8.96	8.06	9.86
Aroclor-1260 {3}	9.45	9.45	9.44	9.44	9.44	9.45	8.55	10.35
Aroclor-1260 {4}	9.94	9.93	9.93	9.93	9.93	9.93	9.03	10.83
Aroclor-1260 {5}	11.00	11.00	11.00	10.99	10.99	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	243865	216790	199305	183366	184539	205573	12.32
Aroclor-1016 {2}	329663	293312	273907	254375	251534	280558	11.48
Aroclor-1016 {3}	421622	378312	356112	329359	325022	362086	10.95
Aroclor-1016 {4}	196004	176563	161796	145945	139733	164008	13.98
Aroclor-1016 {5}	322251	290331	282382	257409	252936	281062	9.96
Aroclor-1221			98455				
Aroclor-1221 {2}			147422				
Aroclor-1221 {3}			104493				
Aroclor-1221 {4}			357450				
Aroclor-1221 {5}			79152				
Aroclor-1232			248609				
Aroclor-1232 {2}			144312				
Aroclor-1232 {3}			125680				
Aroclor-1232 {4}			141484				
Aroclor-1232 {5}			176247				
Aroclor-1242			232340				
Aroclor-1242 {2}			149217				
Aroclor-1242 {3}			212227				
Aroclor-1242 {4}			308432				
Aroclor-1242 {5}			255832				
Aroclor-1248			550496				
Aroclor-1248 {2}			319120				
Aroclor-1248 {3}			418121				
Aroclor-1248 {4}			650924				
Aroclor-1248 {5}			480676				
Aroclor-1254			627382				
Aroclor-1254 {2}			399643				
Aroclor-1254 {3}			752699				
Aroclor-1254 {4}			788362				
Aroclor-1254 {5}			705322				
Aroclor-1260	757128	754434	788799	691182	715219	741352	5.17
Aroclor-1260 {2}	377531	353479	367477	314922	322854	347253	7.89
Aroclor-1260 {3}	833253	861623	929397	797453	840707	852487	5.73
Aroclor-1260 {4}	442035	422694	469045	403585	434405	434353	5.57
Aroclor-1260 {5}	232694	194352	209736	173881	171745	196482	13.01
Average %RSD						9.61	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013 Instrument ID: GC-R
 GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.38	3.38	3.38	3.38	3.39	3.38	3.31	3.45
Aroclor-1016 {2}	3.94	3.94	3.94	3.94	3.96	3.94	3.87	4.01
Aroclor-1016 {3}	4.66	4.66	4.66	4.66	4.67	4.66	4.59	4.73
Aroclor-1016 {4}	4.86	4.86	4.86	4.86	4.87	4.86	4.79	4.93
Aroclor-1016 {5}	5.03	5.03	5.03	5.03	5.04	5.03	4.96	5.10
Aroclor-1221			2.17				2.10	2.24
Aroclor-1221 {2}			3.08				3.01	3.15
Aroclor-1221 {3}			3.29				3.22	3.36
Aroclor-1221 {4}			3.38				3.31	3.45
Aroclor-1221 {5}			4.66				4.59	4.73
Aroclor-1232			3.38				3.31	3.45
Aroclor-1232 {2}			4.31				4.24	4.38
Aroclor-1232 {3}			4.86				4.79	4.93
Aroclor-1232 {4}			5.03				4.96	5.10
Aroclor-1232 {5}			5.61				5.54	5.68
Aroclor-1242			4.31				4.24	4.38
Aroclor-1242 {2}			5.03				4.96	5.10
Aroclor-1242 {3}			5.61				5.54	5.68
Aroclor-1242 {4}			5.76				5.69	5.83
Aroclor-1242 {5}			6.30				6.23	6.37
Aroclor-1248			4.66				4.58	4.74
Aroclor-1248 {2}			5.22				5.14	5.30
Aroclor-1248 {3}			5.61				5.53	5.69
Aroclor-1248 {4}			5.76				5.68	5.84
Aroclor-1248 {5}			6.11				6.03	6.19
Aroclor-1254			6.59				6.51	6.67
Aroclor-1254 {2}			7.17				7.09	7.25
Aroclor-1254 {3}			7.60				7.51	7.69
Aroclor-1254 {4}			7.78				7.69	7.87
Aroclor-1254 {5}			8.59				8.50	8.68
Aroclor-1260	7.35	7.35	7.35	7.35	7.36	7.35	6.45	8.25
Aroclor-1260 {2}	7.60	7.60	7.60	7.60	7.61	7.60	6.70	8.50
Aroclor-1260 {3}	9.18	9.18	9.18	9.18	9.19	9.18	8.28	10.08
Aroclor-1260 {4}	9.69	9.69	9.69	9.69	9.70	9.69	8.79	10.59
Aroclor-1260 {5}	10.28	10.28	10.28	10.27	10.28	10.28	9.38	11.18

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File:

R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	362241	319133	272025	248097	250722	290444	16.94
Aroclor-1016 {2}	743962	638498	551705	509099	507402	590133	17.13
Aroclor-1016 {3}	1634305	1339093	1240491	1157160	1153188	1304848	15.26
Aroclor-1016 {4}	640757	532369	529369	479376	469296	530233	12.83
Aroclor-1016 {5}	511215	424107	401382	365779	361833	412863	14.71
Aroclor-1221			133932				
Aroclor-1221 {2}			198787				
Aroclor-1221 {3}			133461				
Aroclor-1221 {4}			484806				
Aroclor-1221 {5}			92989				
Aroclor-1232			337701				
Aroclor-1232 {2}			127755				
Aroclor-1232 {3}			282764				
Aroclor-1232 {4}			212621				
Aroclor-1232 {5}			294142				
Aroclor-1242			199335				
Aroclor-1242 {2}			339120				
Aroclor-1242 {3}			443826				
Aroclor-1242 {4}			366761				
Aroclor-1242 {5}			720540				
Aroclor-1248			766481				
Aroclor-1248 {2}			1140084				
Aroclor-1248 {3}			814777				
Aroclor-1248 {4}			687633				
Aroclor-1248 {5}			406423				
Aroclor-1254			915839				
Aroclor-1254 {2}			721245				
Aroclor-1254 {3}			474223				
Aroclor-1254 {4}			703201				
Aroclor-1254 {5}			1013959				
Aroclor-1260	585399	517611	452177	396373	395981	469508	17.43
Aroclor-1260 {2}	883662	775223	680288	591735	587886	703758	17.97
Aroclor-1260 {3}	674621	625967	589609	507374	529398	585394	11.73
Aroclor-1260 {4}	1367534	1326755	1291089	1100209	1160368	1249191	9.12
Aroclor-1260 {5}	929561	946699	919373	778085	827578	880259	8.35
Average %RSD						14.15	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File:

R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.16				10.04	10.28
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File:

R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.18				9.06	9.30
Aroclor-1262 {2}			9.69				9.57	9.81
Aroclor-1262 {3}			10.18				10.06	10.30
Aroclor-1262 {4}			10.27				10.15	10.39
Aroclor-1262 {5}			10.87				10.75	10.99
Aroclor-1268			10.18				10.06	10.30
Aroclor-1268 {2}			10.26				10.14	10.38
Aroclor-1268 {3}			10.51				10.39	10.63
Aroclor-1268 {4}			10.65				10.53	10.77
Aroclor-1268 {5}			11.73				11.61	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			326215				
Aroclor-1262 {2}			1281764				
Aroclor-1262 {3}			491930				
Aroclor-1262 {4}			563512				
Aroclor-1262 {5}			432239				
Aroclor-1268			1292652				
Aroclor-1268 {2}			1452313				
Aroclor-1268 {3}			1123481				
Aroclor-1268 {4}			297485				
Aroclor-1268 {5}			3490031				

GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			817810				
Aroclor-1262 {2}			1844146				
Aroclor-1262 {3}			599368				
Aroclor-1262 {4}			1277066				
Aroclor-1262 {5}			225009				
Aroclor-1268			1847615				
Aroclor-1268 {2}			1965341				
Aroclor-1268 {3}			1551936				
Aroclor-1268 {4}			432171				
Aroclor-1268 {5}			4623946				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/11/2013

Instrument ID: GC-R

Data File: R4127.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.21	3.14	3.28	205573	185417	9.80
Aroclor-1016 {2}	4.04	3.97	4.11	280558	245649	12.44
Aroclor-1016 {3}	4.60	4.52	4.66	362086	319951	11.64
Aroclor-1016 {4}	5.10	5.03	5.17	164008	156336	4.68
Aroclor-1016 {5}	5.50	5.42	5.56	281062	249761	11.14
Aroclor-1260	8.30	7.39	9.19	741352	703673	5.08
Aroclor-1260 {2}	8.97	8.06	9.86	347253	335148	3.49
Aroclor-1260 {3}	9.45	8.55	10.35	852487	850297	0.26
Aroclor-1260 {4}	9.94	9.03	10.83	434353	428186	1.42
Aroclor-1260 {5}	11.00	10.10	11.90	196482	189196	3.71

Data File: R4127.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.38	3.31	3.45	290444	284595	2.01
Aroclor-1016 {2}	3.95	3.87	4.01	590133	559479	5.19
Aroclor-1016 {3}	4.67	4.59	4.73	1304848	1237413	5.17
Aroclor-1016 {4}	4.87	4.79	4.93	530233	530943	0.13
Aroclor-1016 {5}	5.03	4.96	5.10	412863	405211	1.85
Aroclor-1260	7.35	6.45	8.25	469508	518538	10.44
Aroclor-1260 {2}	7.60	6.70	8.50	703758	686275	2.48
Aroclor-1260 {3}	9.18	8.28	10.08	585394	606594	3.62
Aroclor-1260 {4}	9.69	8.79	10.59	1249191	1334729	6.85
Aroclor-1260 {5}	10.27	9.38	11.18	880259	950512	7.98

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/11/2013

Instrument ID: GC-R

Data File: R4138.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.21	3.14	3.28	205573	188778	8.17
Aroclor-1016 {2}	4.04	3.97	4.11	280558	251689	10.29
Aroclor-1016 {3}	4.60	4.52	4.66	362086	329276	9.06
Aroclor-1016 {4}	5.10	5.03	5.17	164008	162574	0.87
Aroclor-1016 {5}	5.50	5.42	5.56	281062	259870	7.54
Aroclor-1260	8.30	7.39	9.19	741352	749163	1.05
Aroclor-1260 {2}	8.97	8.06	9.86	347253	357007	2.81
Aroclor-1260 {3}	9.45	8.55	10.35	852487	912849	7.08
Aroclor-1260 {4}	9.94	9.03	10.83	434353	460126	5.93
Aroclor-1260 {5}	11.00	10.10	11.90	196482	208759	6.25

Data File: R4138.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.38	3.31	3.45	290444	288359	0.72
Aroclor-1016 {2}	3.94	3.87	4.01	590133	568466	3.67
Aroclor-1016 {3}	4.66	4.59	4.73	1304848	1262986	3.21
Aroclor-1016 {4}	4.86	4.79	4.93	530233	547906	3.33
Aroclor-1016 {5}	5.03	4.96	5.10	412863	416062	0.77
Aroclor-1260	7.35	6.45	8.25	469508	546047	16.30
Aroclor-1260 {2}	7.60	6.70	8.50	703758	725773	3.13
Aroclor-1260 {3}	9.18	8.28	10.08	585394	644652	10.12
Aroclor-1260 {4}	9.69	8.79	10.59	1249191	1439377	15.22
Aroclor-1260 {5}	10.27	9.38	11.18	880259	1033082	17.36

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.76</u>	DCB 1	<u>12.04</u>	TCMX 2	<u>2.90</u>	DCB 2	<u>12.48</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID			RT #	RT #	RT #	RT #
PCB	BLKS130910-17	09/11/2013	11:46	2.76	12.04	2.90	12.48
PCB	LCSS130910-17	09/11/2013	12:03	2.77	12.04	2.89	12.48
PX-02-1_(8)	08831-001	09/11/2013	12:22	2.76	12.04	2.89	12.48
PCB	08831-001MS	09/11/2013	12:40	2.77	12.04	2.89	12.48
PCB	08831-001MSD	09/11/2013	12:57	2.77	12.04	2.89	12.48
PX-01-1_(1)	08831-003	09/11/2013	13:15	2.77	12.04	2.89	12.48
PX-07-1_(1)	08831-006	09/11/2013	13:32	2.77	12.04	2.89	12.48
PX-06-1_(8)	08831-009	09/11/2013	13:49	2.77	12.04	2.89	12.48
N-46W_(0-2)	08844-001	09/11/2013	14:07	2.77	12.04	2.89	12.48
M-44S_(0-2)	08844-002	09/11/2013	14:24	2.77	12.04	2.89	12.48
J-42S_(0-2)	08844-003	09/11/2013	14:42	2.77	12.04	2.89	12.48
J-42S_(2.0)	08844-004	09/11/2013	16:27	2.77	12.04	2.89	12.48
H-39S_(0-2)	08844-005	09/11/2013	17:02	2.77	12.04	2.89	12.48
H-39S_(2.0)	08844-006	09/11/2013	17:19	2.77	12.04	2.89	12.48
I-39S_(0-2)	08844-007	09/11/2013	17:37	2.77	12.04	2.89	12.48
I-39W_(0-2)	08844-008	09/11/2013	17:54	2.77	12.04	2.89	12.48
PX-02-1_(8)	08831-001DL	09/11/2013	18:29	2.77	12.04	2.89	12.47
PX-07-1_(1)	08831-006DL	09/11/2013	19:04	2.77	12.04	2.89	12.48
K-42S_(0-2)	08844-009	09/12/2013	10:58	2.76	12.04	2.89	12.48

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration:

TCMX 1 **2.77** **DCB 1** **12.04** **TCMX 2** **2.89** **DCB 2** **12.48**

	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2		
Client ID	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#
PCB	BLKA130906-10	09/06/2013	19:41	2.77		12.04		2.89	
PCB	LCSA130906-10	09/06/2013	19:58	2.77		12.04		2.89	
TW-3/8.29	08681-007	09/06/2013	20:15	2.77		12.04		2.89	
PCB	08681-007MS	09/06/2013	20:33	2.77		12.04		2.89	
PCB	08681-007MSD	09/06/2013	20:50	2.77		12.04		2.89	
FB_9	08733-018	09/06/2013	21:08	2.77		12.04		2.89	
FB	08664-009	09/06/2013	21:43	2.77		12.04		2.89	
TW-6/8.4	08681-010	09/06/2013	22:00	2.77		12.04		2.89	
FB	08732-017	09/06/2013	22:17	2.77		12.04		2.89	
FB_10	08733-019	09/09/2013	10:59	2.76		12.04		2.89	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (\pm 0.10 Minutes)

DCB = Decachlorobiphenyl (\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.75</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.57</u>	DCB 2	<u>11.94</u>
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKA130911-04	09/11/2013	16:52	2.75	12.09	2.57	11.94
PCB	LCSA130911-04	09/11/2013	17:09	2.75	12.09	2.57	11.95
FB	08771-002	09/11/2013	17:26	2.75	12.09	2.57	11.95
MW-1	08756-001	09/11/2013	17:44	2.75	12.09	2.57	11.94
MW-2	08756-002	09/11/2013	18:01	2.75	12.09	2.57	11.95
MW-3	08756-003	09/11/2013	18:19	2.75	12.09	2.57	11.95
MW-4	08756-004	09/11/2013	18:36	2.75	12.09	2.57	11.94
FB	08756-005	09/11/2013	19:11	2.75	12.09	2.57	11.94
FB_(090913	08831-008	09/11/2013	19:29	2.75	12.09	2.57	11.94
FB-6	08844-010	09/11/2013	19:46	2.75	12.09	2.57	11.94

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1605.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 14:07
 Operator : NG
 Sample : N-46W_(0-2,08844-001,S,5.50g,73.4,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 10:41:43 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4120.8E6	9215.4E6	168.495	171.277
Spiked Amount	200.000			Recovery	= 84.25%	85.64%
2) S DCB	12.04	12.48	1293.2E6	3221.1E6	172.255	176.384
Spiked Amount	200.000			Recovery	= 86.13%	88.19%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	11420594	26441601	11.477	10.423
24) L6 Aroclor-1248 {2}	4.98	5.69	8630481	50024534	14.401	13.058
25) L6 Aroclor-1248 {3}	0.00	6.09	0	47301847	N.D. d	17.121 #
26) L6 Aroclor-1248 {4}	5.99	6.24	11574554	25280347	10.049m	10.569
Sum Aroclor-1248			31625630	149.0E6	35.927	51.172
Average Aroclor-1248					11.976	12.793
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

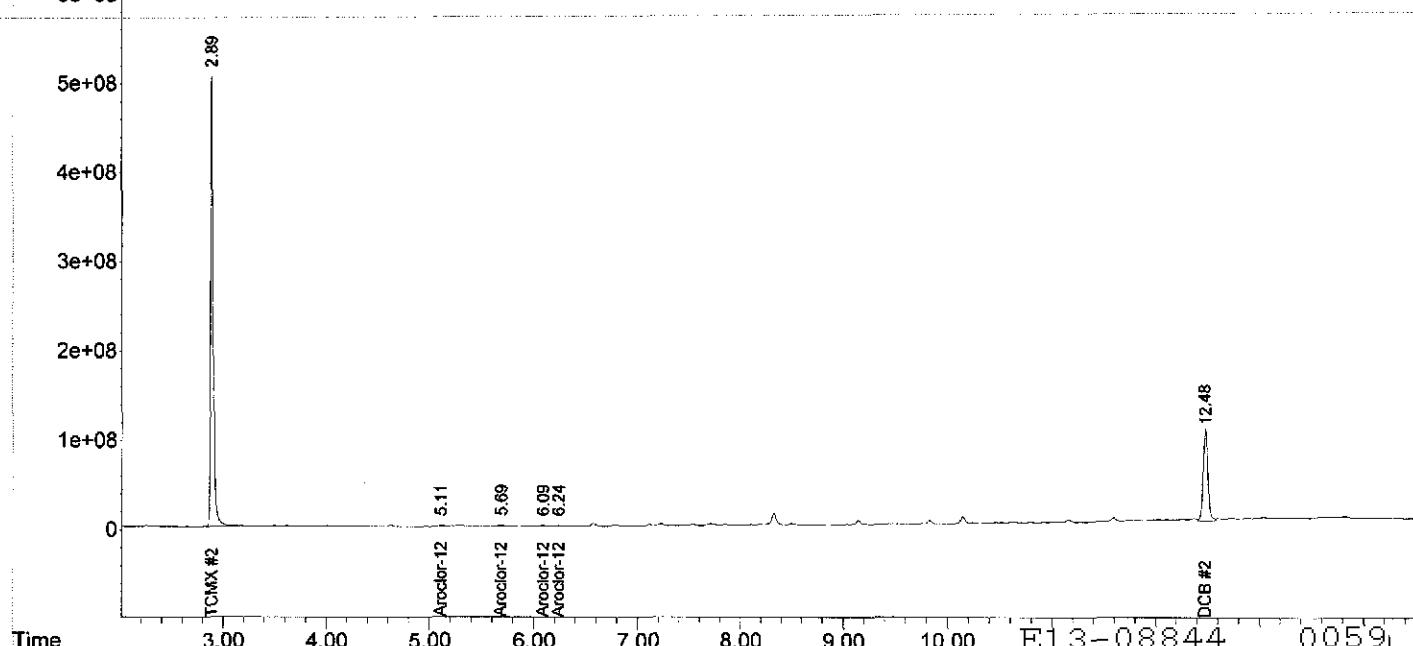
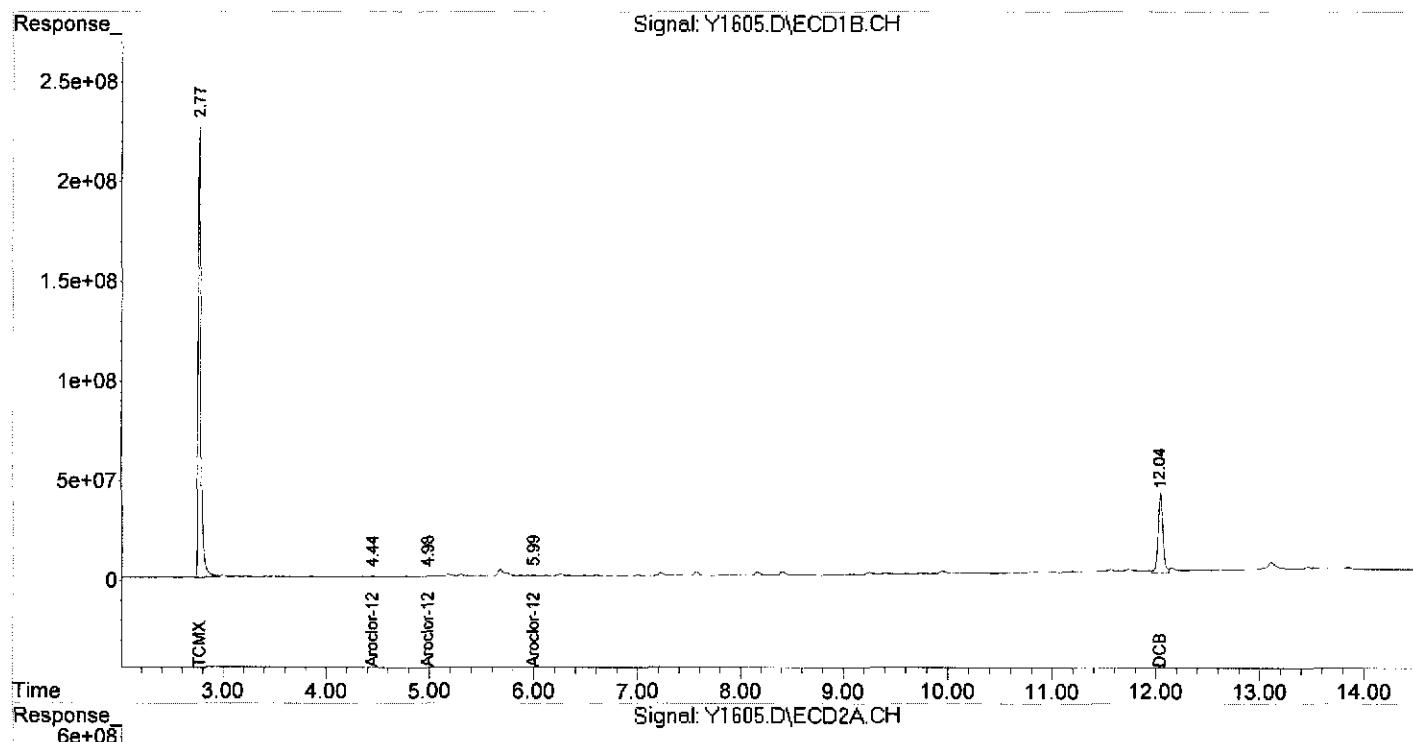
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1605.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 14:07
Operator : NG
Sample : N-46W_(0-2,08844-001,S,5,50g,73.4,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 10:41:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1606.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 14:24
 Operator : NG
 Sample : M-44S_(0-2.08844-002.S,5.32g,62.8,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 11 15:16:19 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3442.5E6	8147.4E6	140.760	151.427
Spiked Amount	200.000		Recovery	=	70.38%	75.71%
2) S DCB	12.04	12.48	1288.4E6	3082.4E6	171.610	168.789
Spiked Amount	200.000		Recovery	=	85.81%	84.39%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	46922253	71946497	47.155	28.361 #
24) L6 Aroclor-1248 {2}	4.98	5.69	23580331	124.6E6	39.346	32.517
25) L6 Aroclor-1248 {3}	0.00	6.09	0	116.5E6	N.D. d	42.154 #
26) L6 Aroclor-1248 {4}	6.00	6.24	37481054	64879567	32.541	27.125
27) L6 Aroclor-1248 {5}	0.00	6.58	0	56818545	N.D. d	42.285 #
Sum Aroclor-1248			108.0E6	434.7E6	119.041	172.441
Average Aroclor-1248					39.680	34.488
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

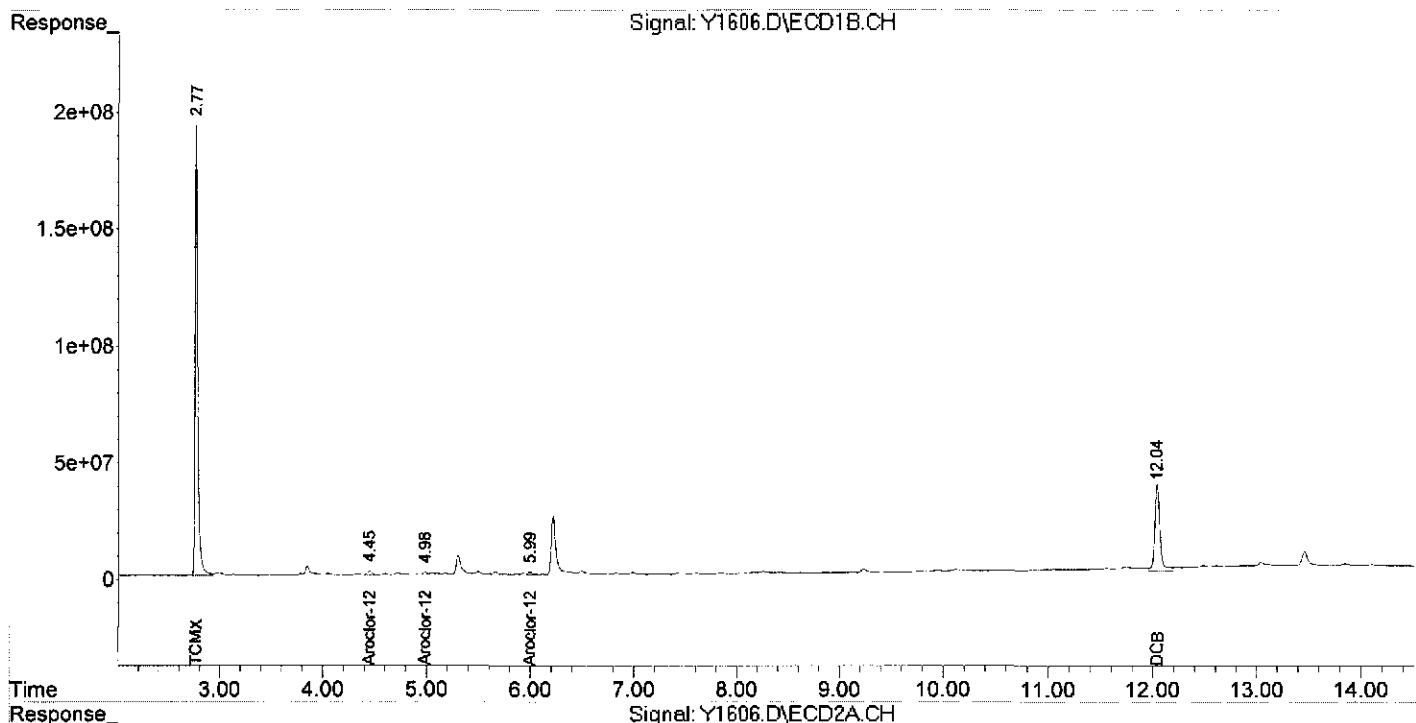
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1606.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 14:24
Operator : NG
Sample : M-44S_(0-2.08844-002,S,5.32g,62.8,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 15:16:19 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1607.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 14:42
 Operator : NG
 Sample : J-42S_(0-2.08844-003.S,5.55g,38.0,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13.1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 11 15:19:45 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3603.9E6	7922.3E6	147.358	147.243
Spiked Amount	200.000			Recovery	= 73.68%	73.62%
2) S DCB	12.04	12.48	1018.2E6	3098.9E6	135.622	169.691 #
Spiked Amount	200.000			Recovery	= 67.81%	84.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	5.11	140.5E6	211.8E6	141.182	83.490 #
24) L6 Aroclor-1248 {2}	4.98	5.69	85842074	502.3E6	143.234	131.133
25) L6 Aroclor-1248 {3}	0.00	6.09		0 434.4E6	N.D. d	157.229 #
26) L6 Aroclor-1248 {4}	5.99	6.24	219.8E6	333.1E6	190.871	139.269 #
27) L6 Aroclor-1248 {5}	6.25	6.57	239.9E6	389.7E6	262.874	289.984
Sum Aroclor-1248			686.1E6	1871.3E6	738.162	801.105
Average Aroclor-1248					184.541	160.221
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

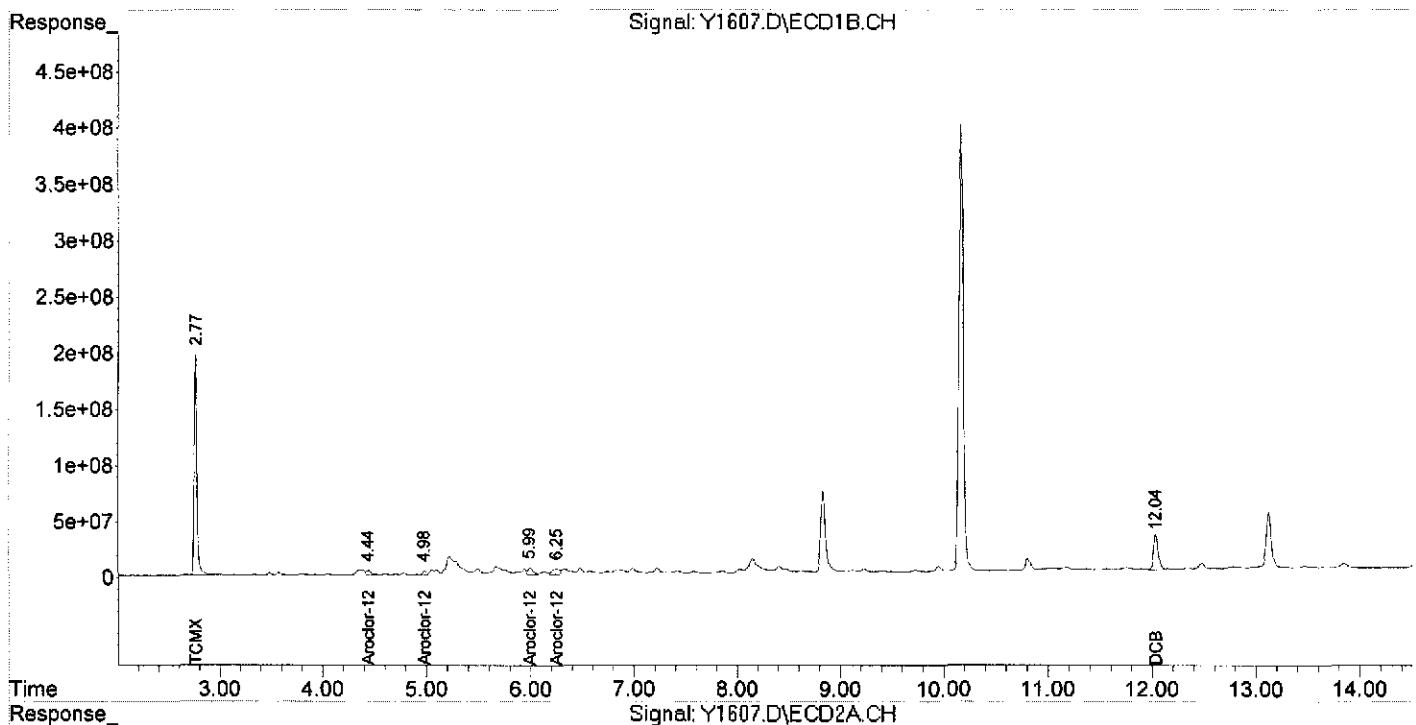
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1607.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 14:42
Operator : NG
Sample : J-42S_(0-2.08844-003,S,5.55g,38.0.09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 15:19:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1608.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 16:27
 Operator : NG
 Sample : J-42S_(2.0,08844-004,S,5.19g,24.4,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 09:48:25 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3596.1E6	8029.9E6	147.040	149.243
Spiked Amount	200.000		Recovery	=	73.52%	74.62%
2) S DCB	12.04	12.48	1036.7E6	2730.3E6	138.086	149.505
Spiked Amount	200.000		Recovery	=	69.04%	74.75%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	25322569	48553282	25.448m	19.139
24) L6 Aroclor-1248 {2}	0.00	5.69	0	54265880	N.D. d	14.166 #
25) L6 Aroclor-1248 {3}	0.00	6.09	0	35838891	N.D. d	12.972 #
26) L6 Aroclor-1248 {4}	5.99	6.24	19544959	64321730	16.969	26.892 #
27) L6 Aroclor-1248 {5}	6.26	6.59	17036511	27481883	18.668	20.452
Sum Aroclor-1248			61904040	230.5E6	61.085	93.621
Average Aroclor-1248					20.362	18.724
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

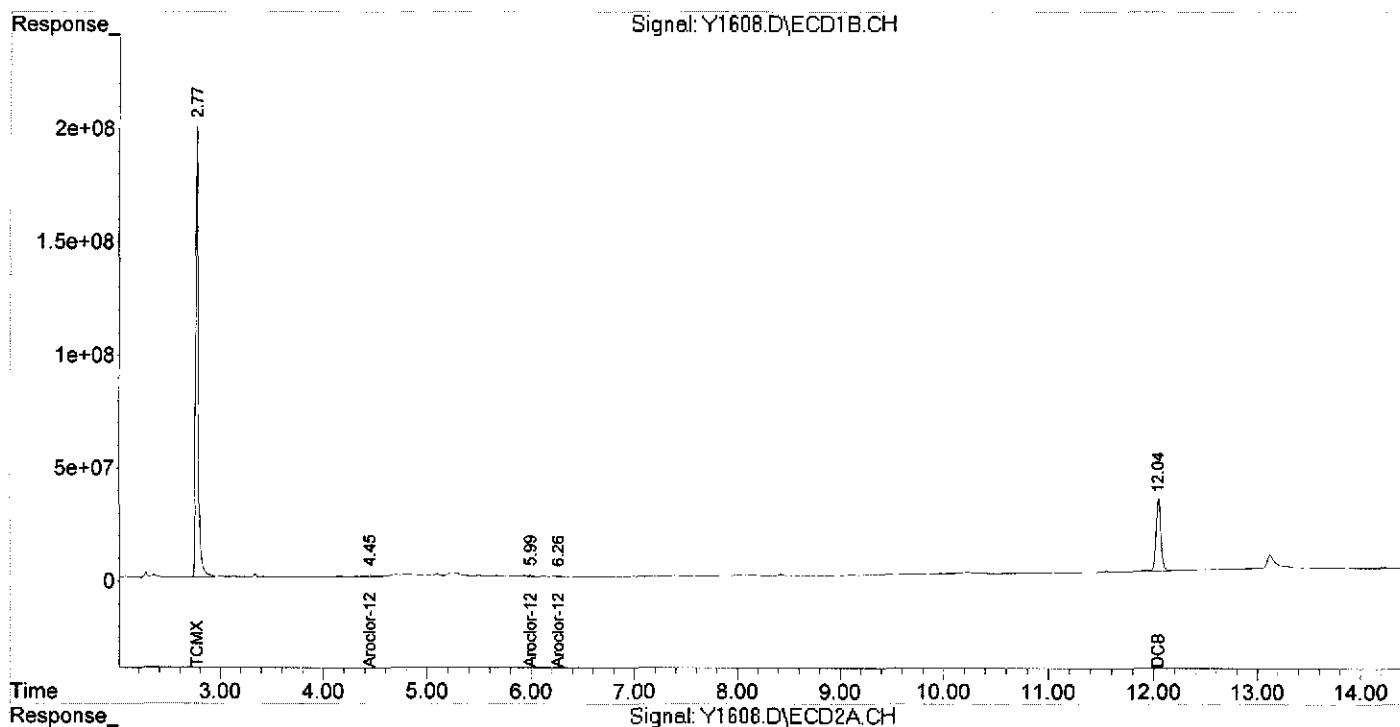
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1608.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 16:27
Operator : NG
Sample : J-42S_(2.0,08844-004,S,5.19g,24.4,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 09:48:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1609.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 17:02
 Operator : NG
 Sample : H-39S_(0-2.08844-005,S,5,35g,45.1,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 10:49:38 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3619.5E6	8206.3E6	147.998	152.522
Spiked Amount	200.000			Recovery	= 74.00%	76.26%
2) S DCB	12.04	12.48	1063.3E6	3160.2E6	141.627	173.050
Spiked Amount	200.000			Recovery	= 70.81%	86.53%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	168.5E6	362.7E6	169.302	142.958
24) L6 Aroclor-1248 {2}	4.98	5.69	351.1E6	1995.6E6	585.896	520.924
25) L6 Aroclor-1248 {3}	5.30	6.09	536.9E6	1811.5E6	703.306	655.676
26) L6 Aroclor-1248 {4}	5.99	6.24	729.9E6	911.8E6	633.681	381.190 #
27) L6 Aroclor-1248 {5}	6.22	6.57	788.0E6	818.0E6	863.444	608.730 #
Sum Aroclor-1248			2574.3E6	5899.4E6	2955.629	2309.478
Average Aroclor-1248					591.126	461.896
<hr/>						
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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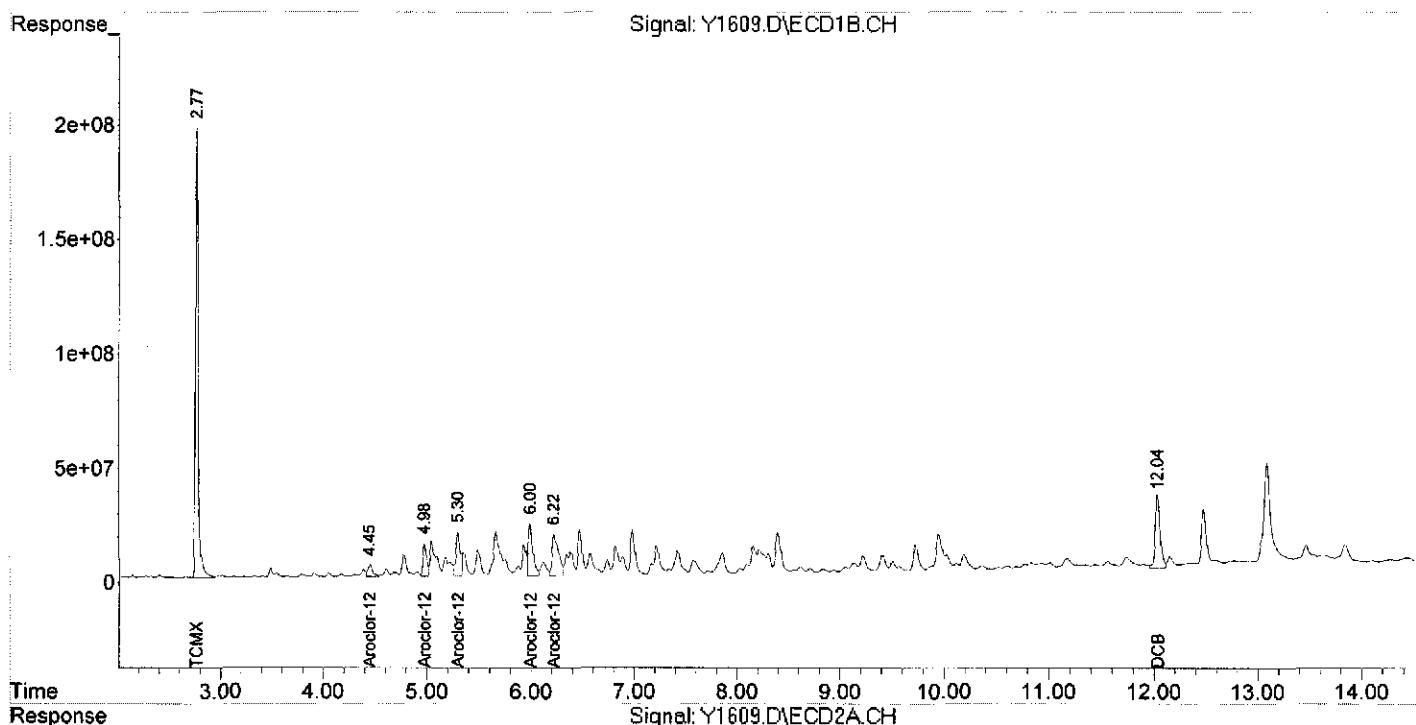
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1609.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 17:02
Operator : NG
Sample : H-39S_(0-2,08844-005,S,5,35g,45.1,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 10:49:38 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1610.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 17:19
 Operator : NG
 Sample : H-39S_(2.0.08844-006.S,5.11g,24.2,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 09:55:50 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3646.6E6	8126.3E6	149.106	151.035
Spiked Amount	200.000			Recovery	= 74.55%	75.52%
2) S DCB	12.04	12.48	1046.8E6	3124.2E6	139.433	171.077
Spiked Amount	200.000			Recovery	= 69.72%	85.54%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

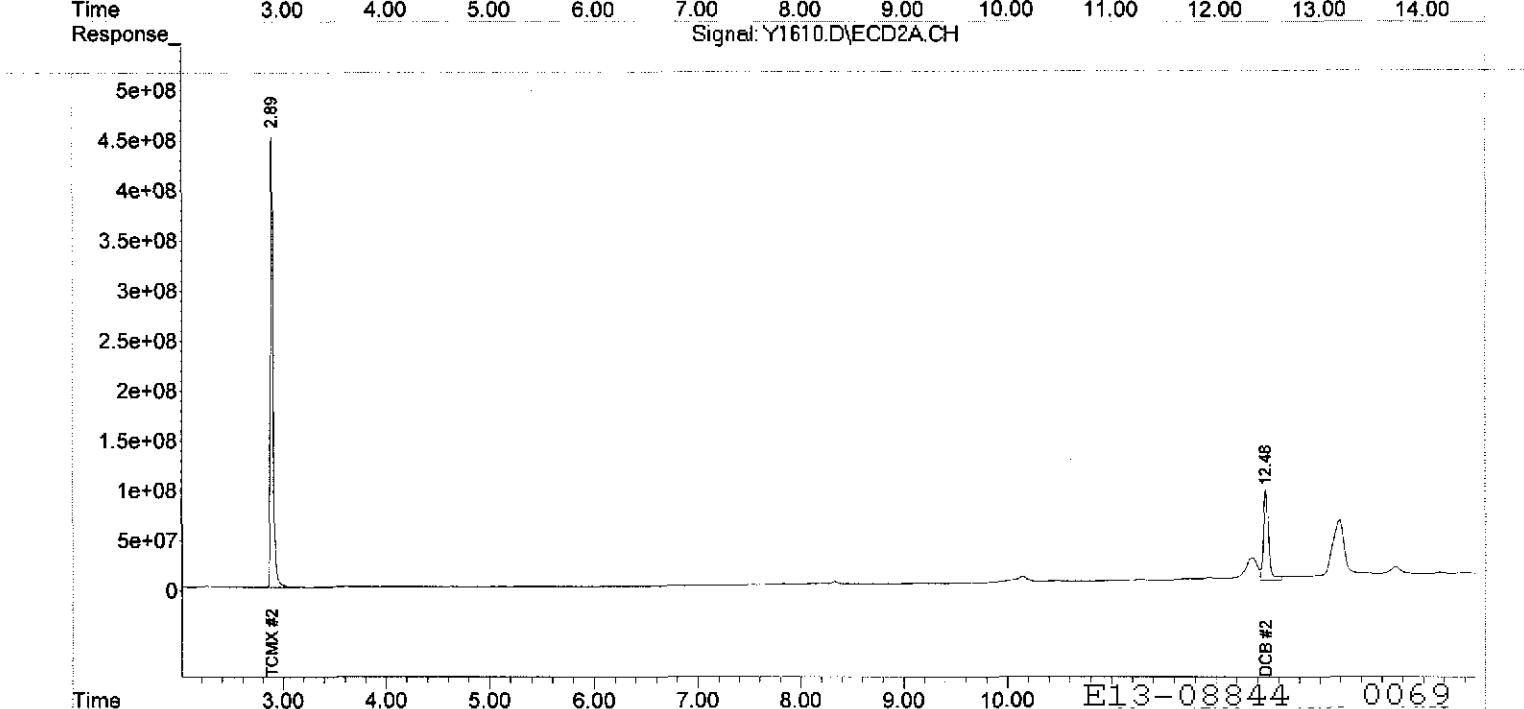
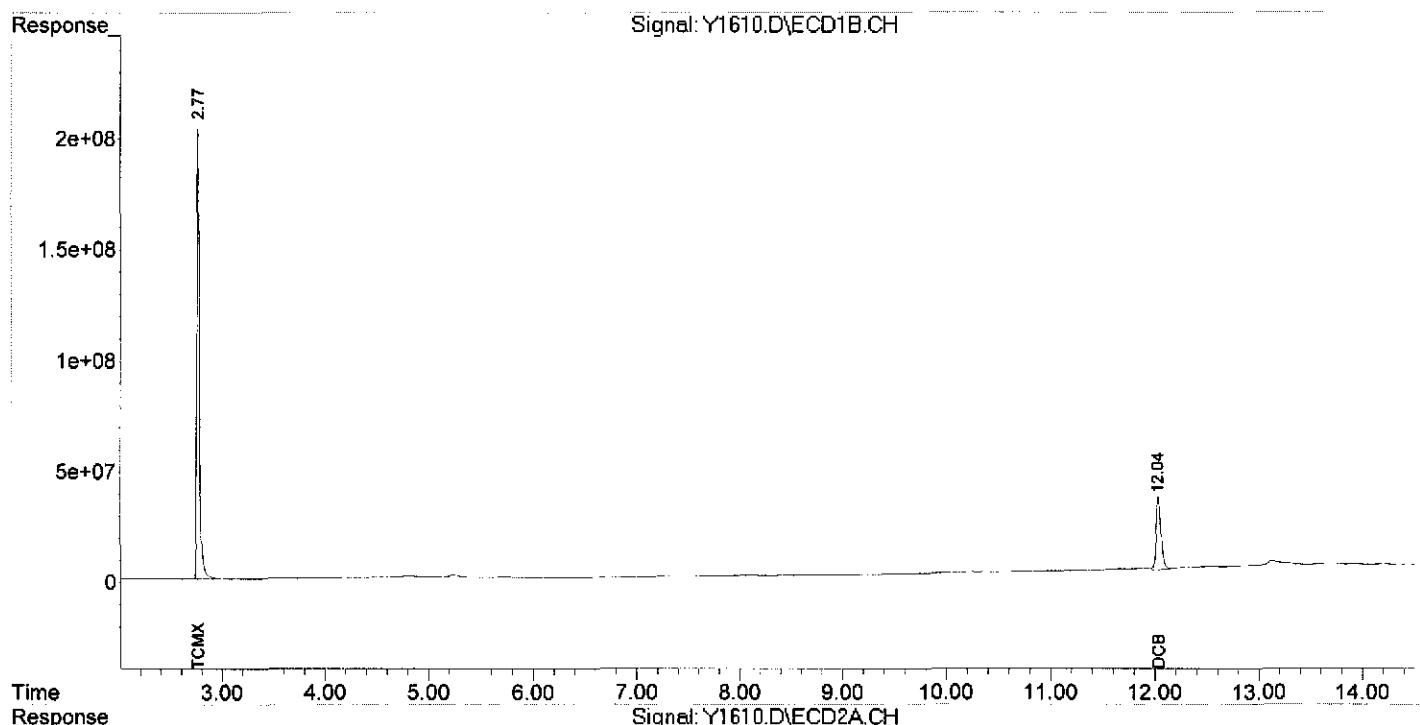
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1610.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 17:19
Operator : NG
Sample : H-39S_(2.0,08844-006,S,5,11g,24,2,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 09:55:50 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1611.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 17:37
 Operator : NG
 Sample : I-39S_(0-2.08844-007.S.5.31g,49.8.09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 09:58:55 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3858.1E6	9096.6E6	157.752	169.068
Spiked Amount	200.000		Recovery	=	78.88%	84.53%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

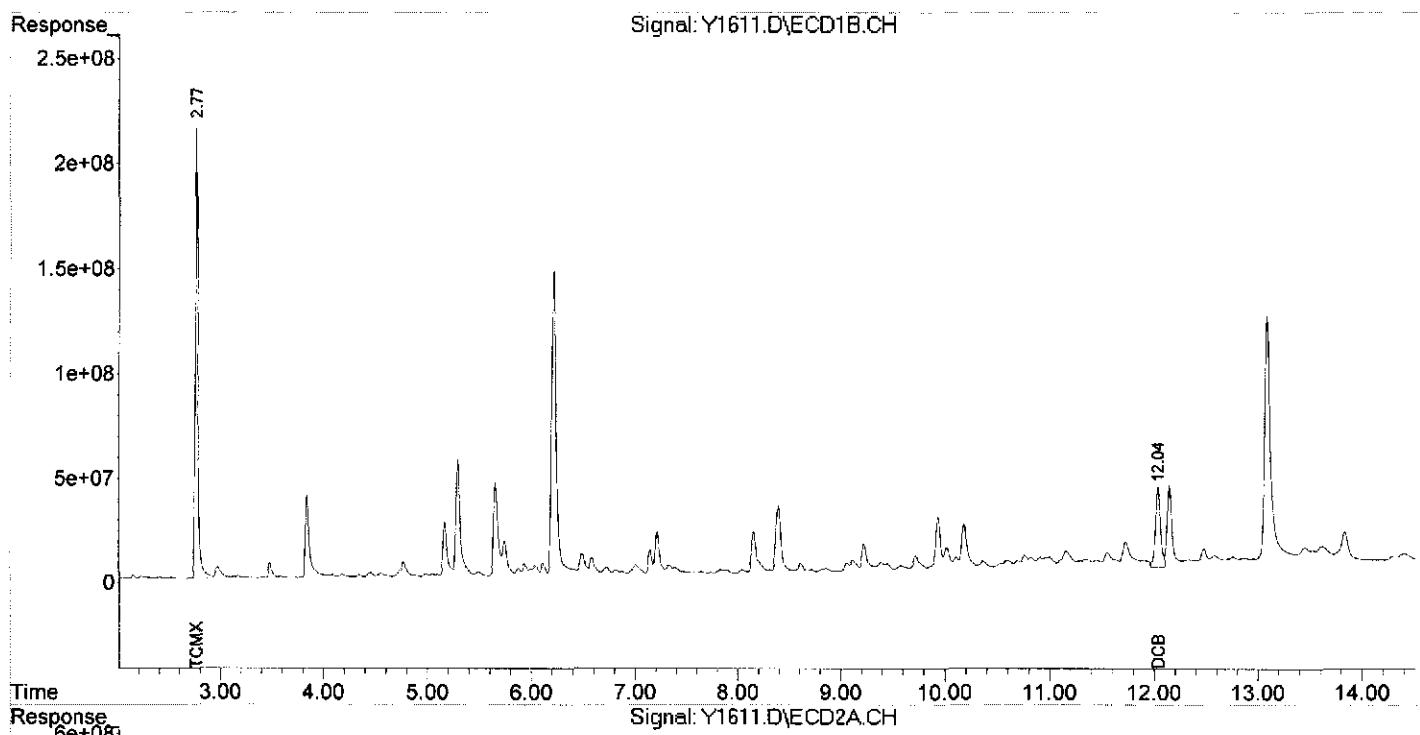
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1611.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 17:37
Operator : NG
Sample : I-39S_(0-2,08844-007,S.5,31g,49.8,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 09:58:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1612.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 17:54
 Operator : NG
 Sample : I-39W_(0-2,08844-008,S,5.21g,51.0,09/10/13,4
 Misc : 130910-17,09/10/13,09/10/13,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 09:59:46 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3964.9E6	9115.6E6	162.120	169.423
Spiked Amount	200.000			Recovery	=	81.06% 84.71%
2) S DCB	12.04	12.48	1190.7E6	3666.4E6	158.599	200.766 #
Spiked Amount	200.000			Recovery	=	79.30% 100.38%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

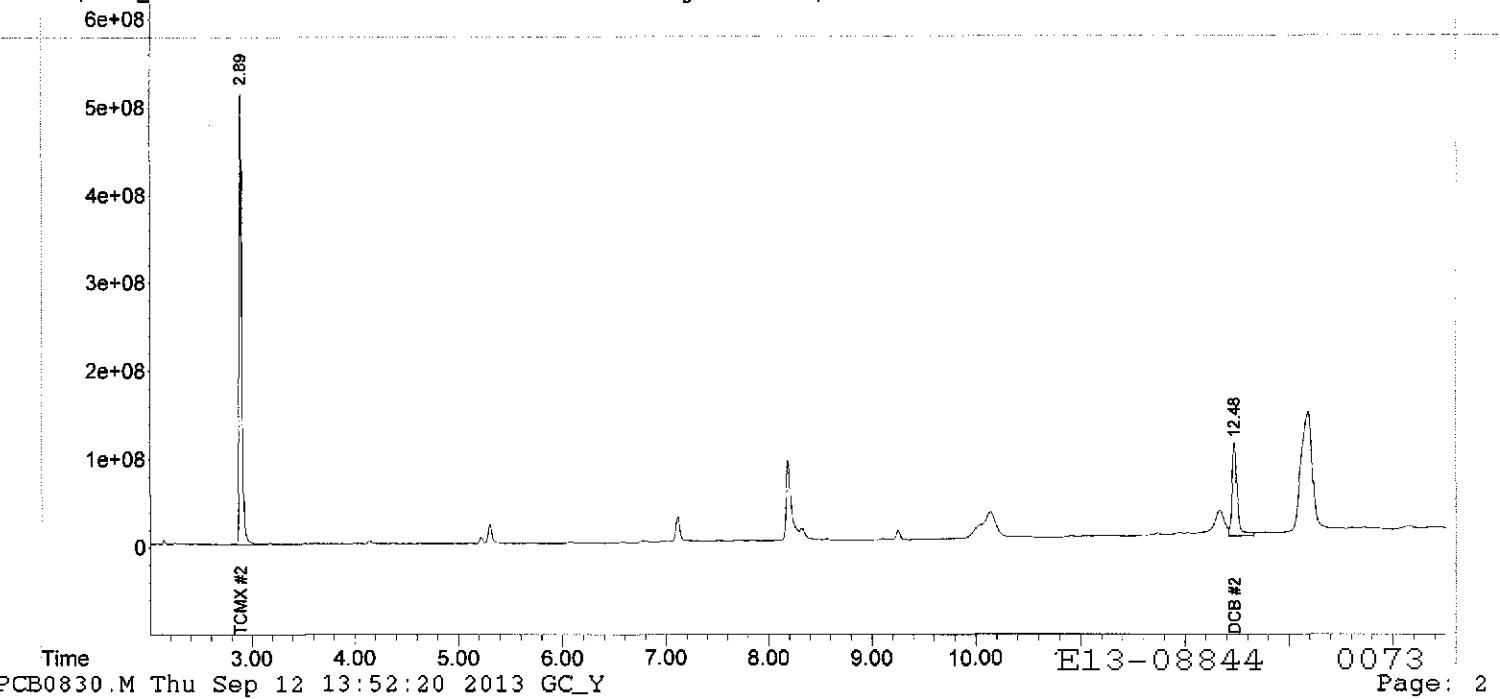
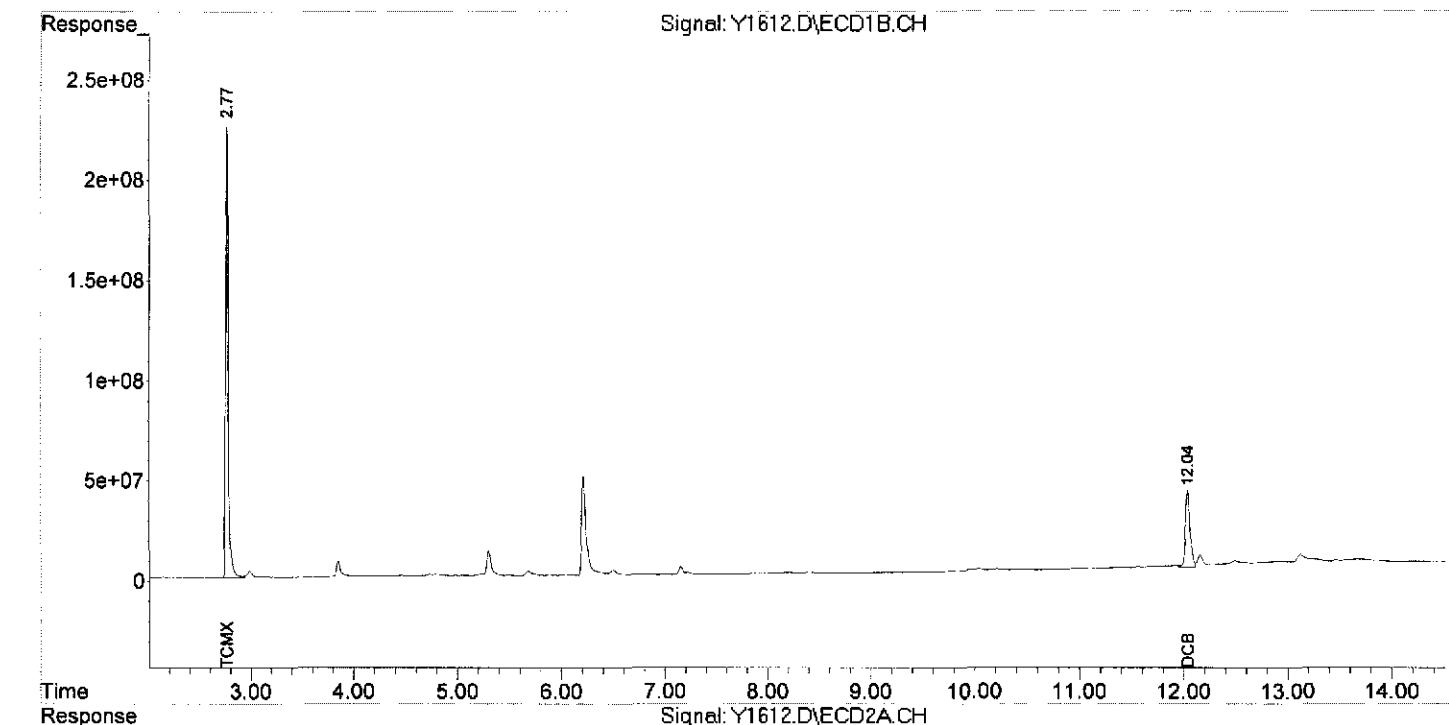
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1612.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 17:54
Operator : NG
Sample : I-39W_(0-2.08844-008,S.5.21g,51.0,09/10/13,4
Misc : 130910-17,09/10/13,09/10/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 09:59:46 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\DATA_ECD\Y_DATA\Y_2013\Y_SEP_13\09-12-13\
 Data File : Y1637.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Sep 2013 10:58
 Operator : NG
 Sample : K-42S_(0-2,08844-009,S,5,43g,54.2,09/10,4
 Misc : 130910-17,09/10/13,09/10/13,5
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 13:11:44 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.89	890.9E6	2224.9E6	36.430	41.352
Spiked Amount	200.000		Recovery	=	18.22%	20.68%
2) S DCB	12.04	12.48	338.2E6	782.5E6	45.042	42.850m
Spiked Amount	200.000		Recovery	=	22.52%	21.43%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	225.3E6	537.6E6	226.405	211.912
24) L6 Aroclor-1248 {2}	4.98	5.70	397.5E6	2515.7E6	663.325	656.702
25) L6 Aroclor-1248 {3}	5.30	6.09	543.5E6	2111.1E6	712.077	764.109
26) L6 Aroclor-1248 {4}	5.99	6.25	985.4E6	1137.8E6	855.531	475.699 #
27) L6 Aroclor-1248 {5}	6.25	6.60	755.6E6	530.8E6	827.993	395.000 #
Sum Aroclor-1248			2907.4E6	6832.9E6	3285.331	2503.422
Average Aroclor-1248					657.066	500.684
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

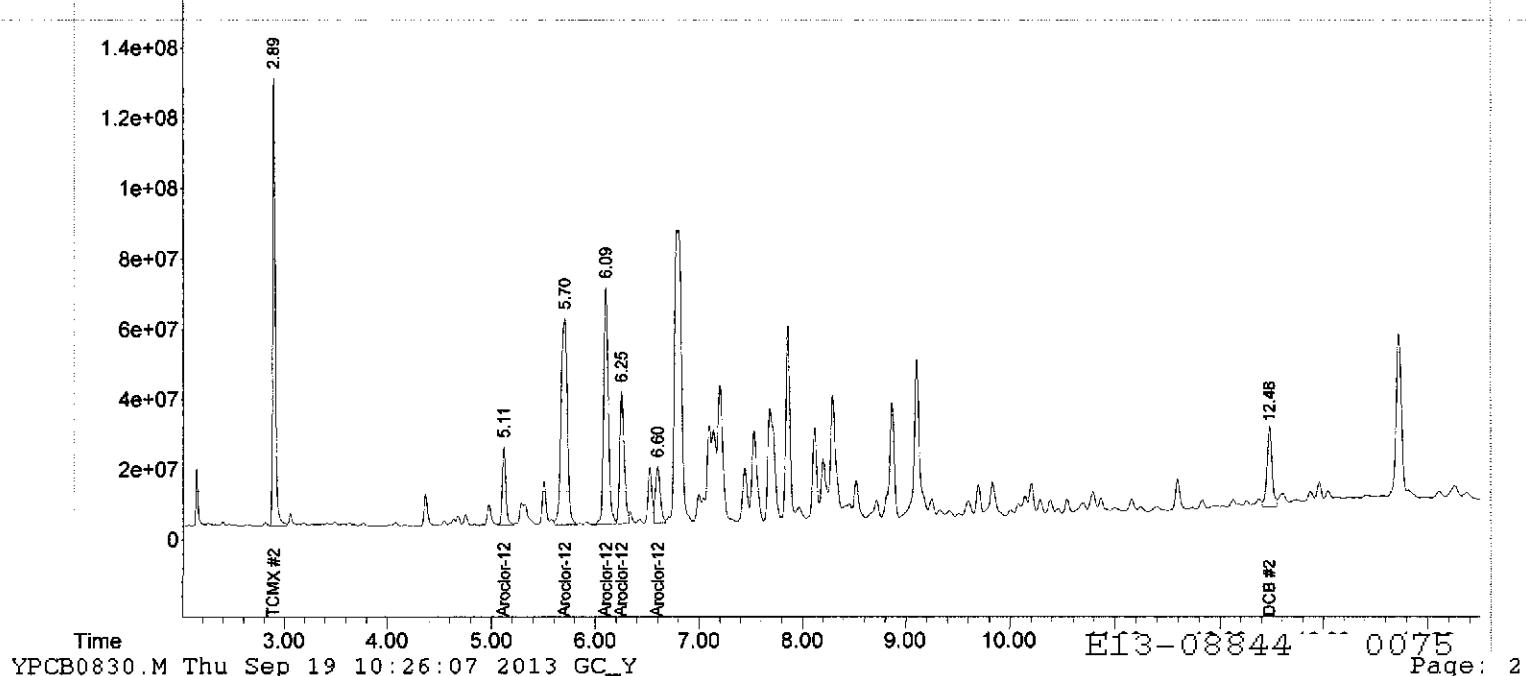
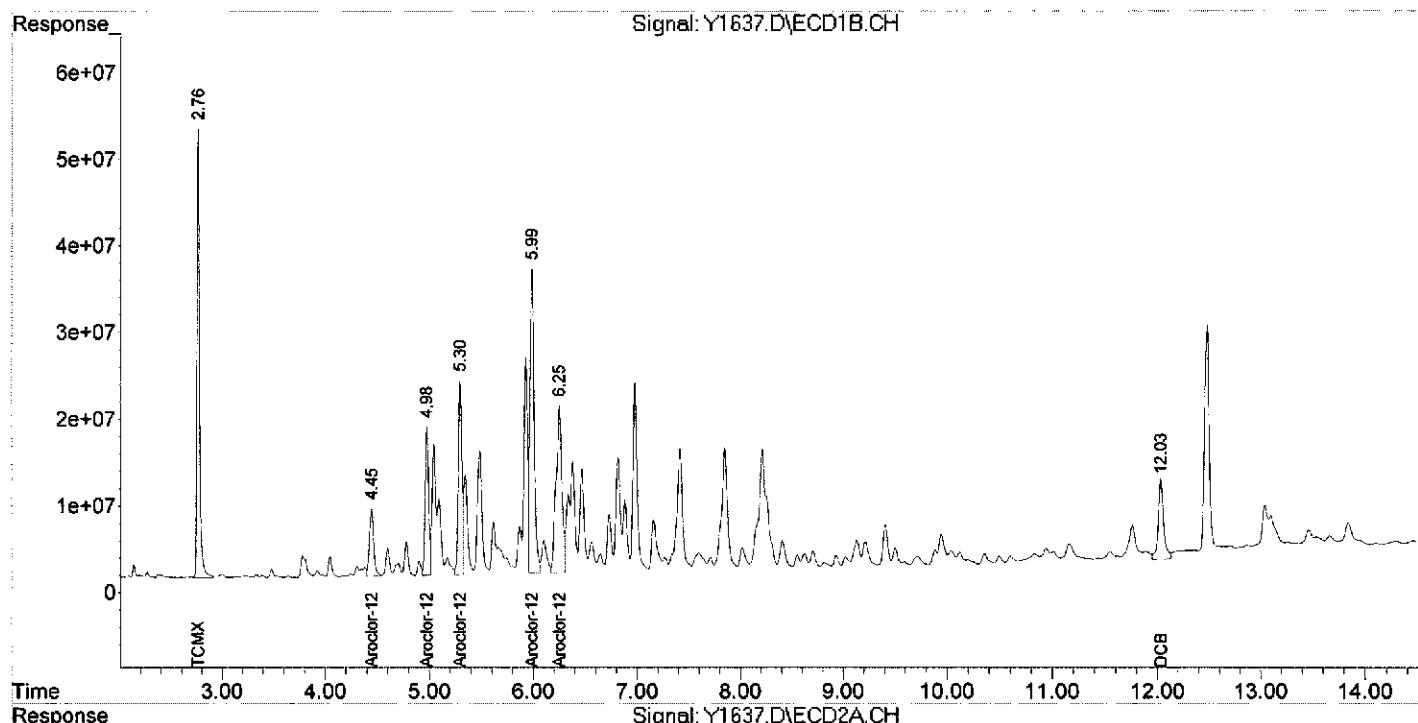
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\DATA_ECD\Y_DATA\Y_2013\Y_SEP_13\09-12-13\
 Data File : Y1637.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Sep 2013 10:58
 Operator : NG
 Sample : K-42S_(0-2.08844-009,S.5.43g.54.2.09/10.4
 Misc : 130910-17,09/10/13,09/10/13,5
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 13:11:44 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : R4137.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 19:46
 Operator : JS
 Sample : FB-6,08844-010,A,1000ml,100,09/11/13,1
 Misc : 130911-04,09/10/13,09/10/13,1
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 09:03:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0830.M
 Quant Title :
 QLast Update : Fri Aug 30 14:25:46 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.75	2.57	1896.1E6	3002.0E6	135.134	149.738
Spiked Amount	200.000			Recovery	=	74.87%
2) S DCB	12.09	11.94	584.5E6	930.2E6	169.444	199.200
Spiked Amount	200.000			Recovery	=	99.60%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

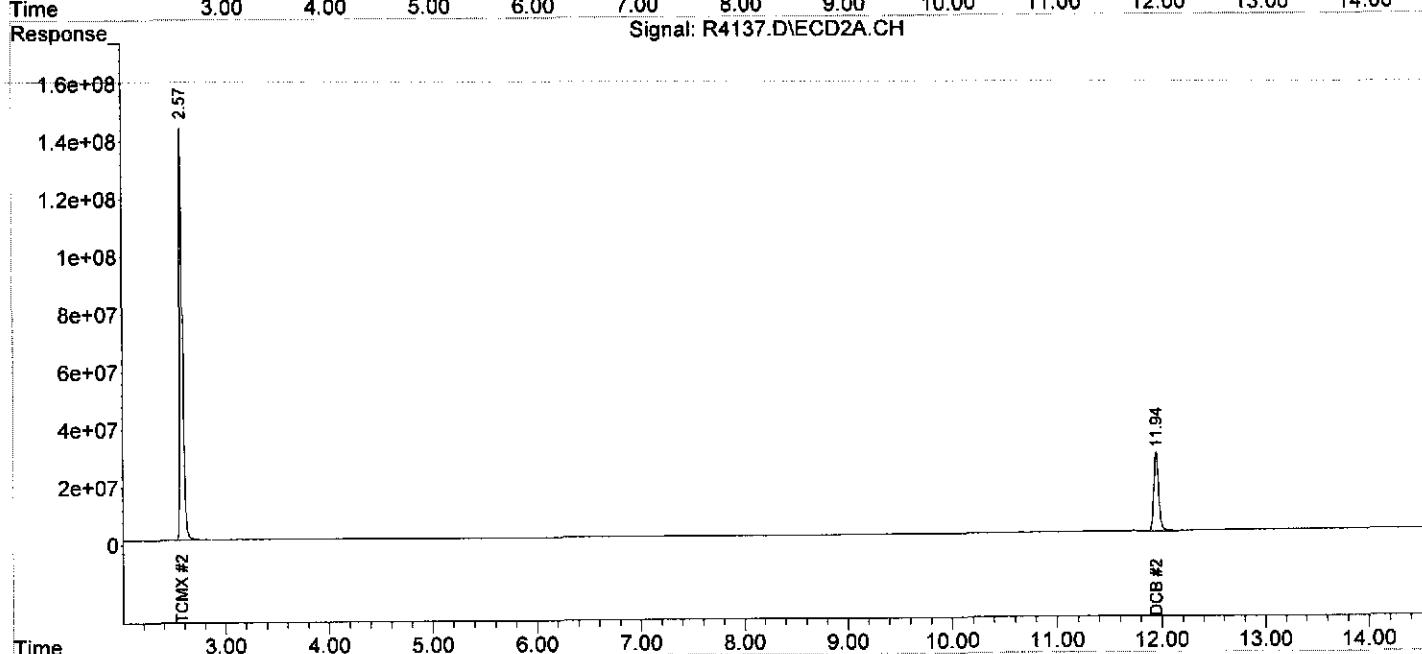
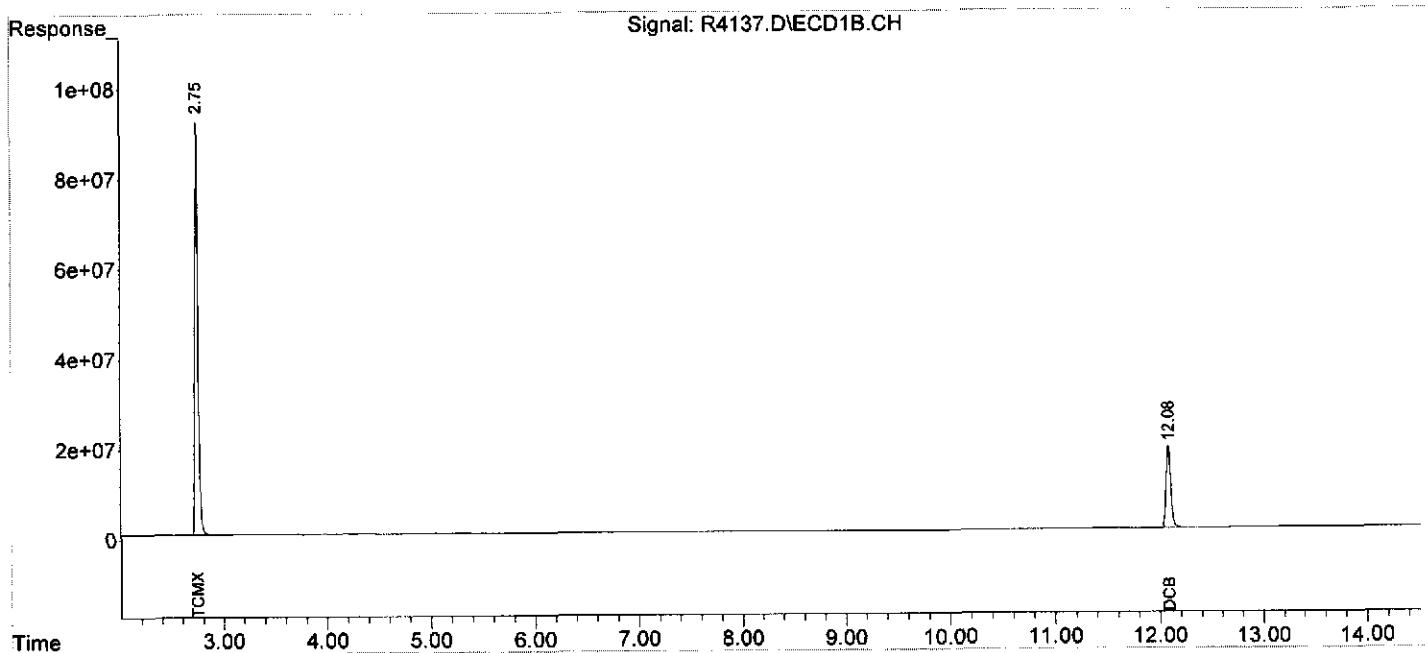
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : R4137.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 19:46
Operator : JS
Sample : FB-6,08844-010,A,1000ml,100,09/11/13,1
Misc : 130911-04,09/10/13,09/10/13,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 09:03:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0830.M
Quant Title :
QLast Update : Fri Aug 30 14:25:46 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA130906-10

Client ID: PCB

Date Received: NA

Date Extracted: 09/06/2013

Date Analyzed: 09/06/2013

Data file: Y1572.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA130911-04

Client ID: PCB

Date Received: NA

Date Extracted: 09/11/2013

Date Analyzed: 09/11/2013

Data file: R4128.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : R4128.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 16:52
 Operator : JS
 Sample : PCB,BLKA130911-04,A,1000ml,100,09/11/13,1
 Misc : NA,NA,NA,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 12 08:54:41 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0830.M
 Quant Title :
 QLast Update : Fri Aug 30 14:25:46 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

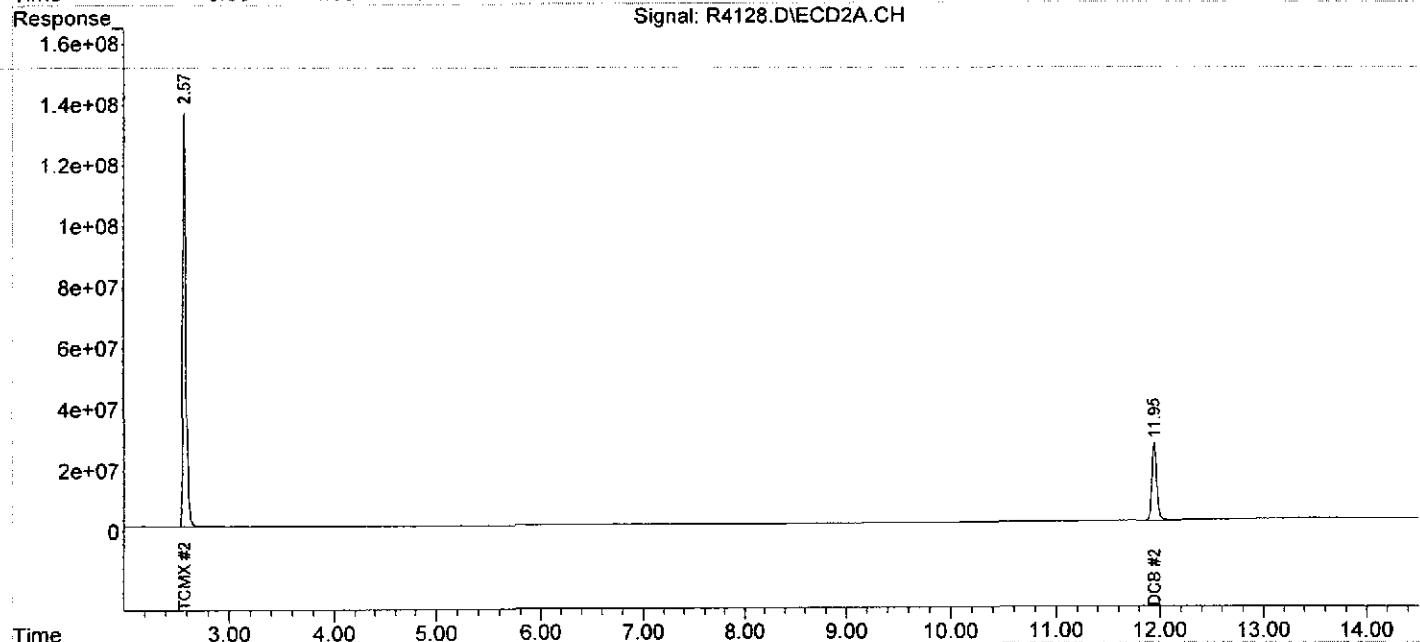
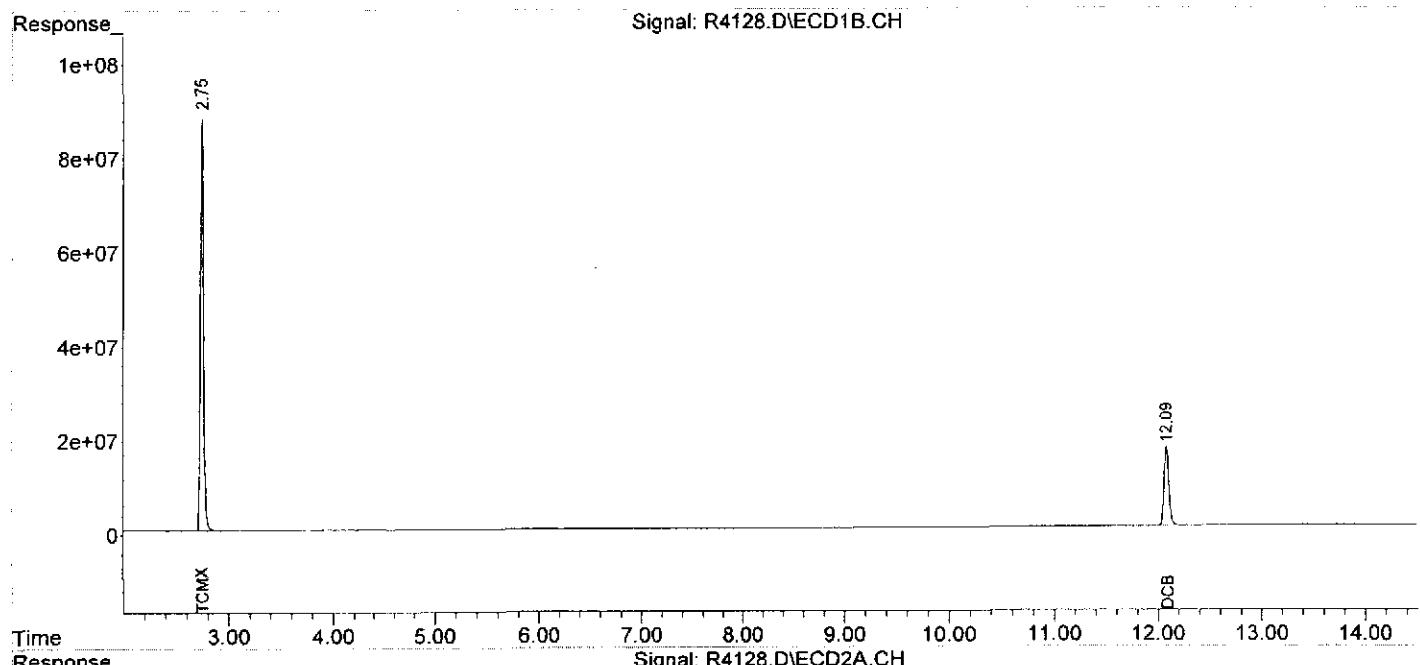
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.75	2.57	1777.7E6	2817.0E6	126.696	140.510
Spiked Amount	200.000			Recovery	=	63.35% 70.25%
2) S DCB	12.09	11.94	544.4E6	876.2E6	157.824	187.634
Spiked Amount	200.000			Recovery	=	78.91% 93.82%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : R4128.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 16:52
Operator : JS
Sample : PCB, BLKA130911-04,A,1000ml,100,09/11/13,1
Misc : NA,NA,NA,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 12 08:54:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0830.M
Quant Title :
QLast Update : Fri Aug 30 14:25:46 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS130910-17

Client ID: PCB

Date Received: NA

Date Extracted: 09/10/2013

Date Analyzed: 09/11/2013

Data file: Y1597.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
 Data File : Y1597.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 11 Sep 2013 11:46
 Operator : NG
 Sample : PCB.BLKS130910-17.S,5.00g,0,09/10/13,4
 Misc : NA.NA.NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 11 12:03:08 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
 Quant Title :
 QLast Update : Fri Sep 06 09:42:56 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.76	2.90	3554.0E6	8473.5E6	145.319	157.488
Spiked Amount	200.000			Recovery	= 72.66%	78.74%
2) S DCB	12.04	12.48	1038.9E6	2688.0E6	138.378	147.192
Spiked Amount	200.000			Recovery	= 69.19%	73.60%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

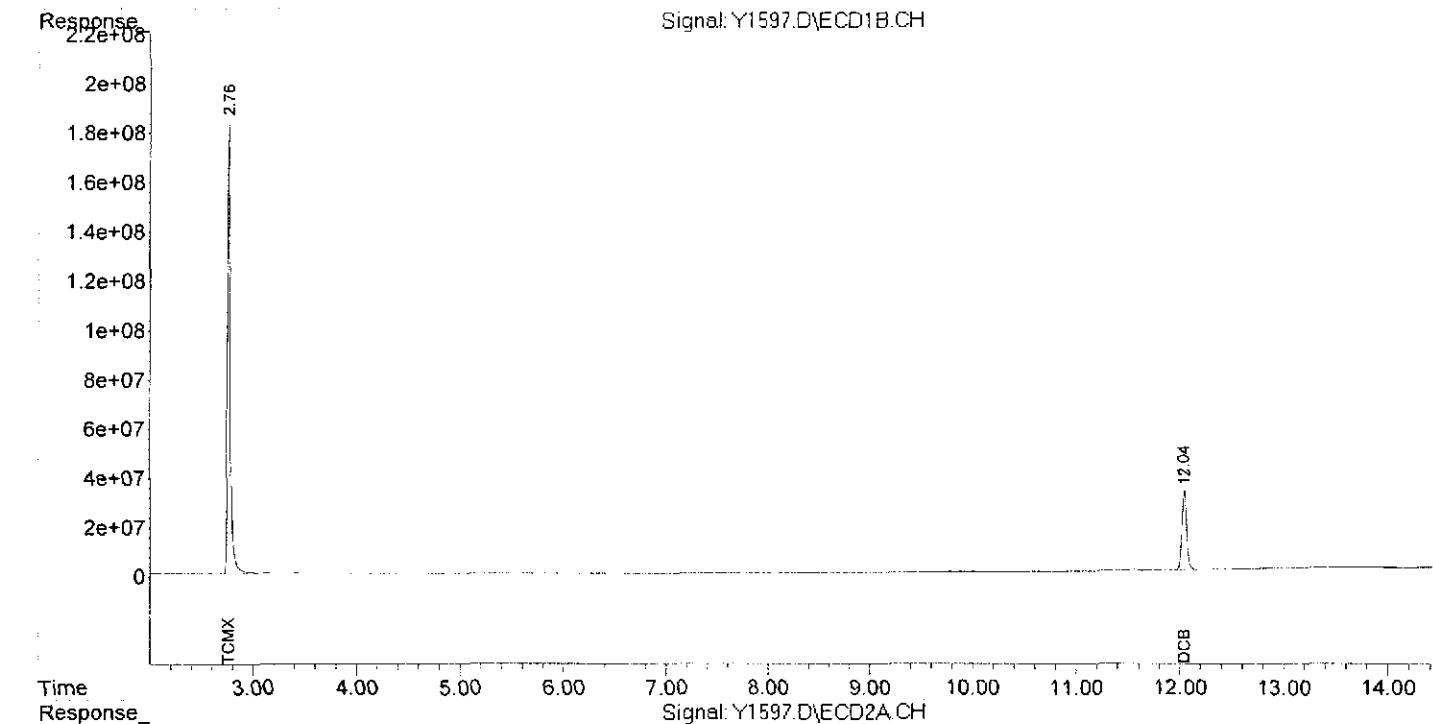
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-11-13\
Data File : Y1597.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Sep 2013 11:46
Operator : NG
Sample : PCB.BLKS130910-17.S, 5.00g, 0, 09/10/13, 4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 11 12:03:08 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0830.M
Quant Title :
QLast Update : Fri Sep 06 09:42:56 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING

E13-08844 0085



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)															
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE															
Address: 2109 Bridge Ave., Bldg. B	Address:	same																	
Point Pleasant, NJ 07842																			
Telephone #: (732) 295-2144	Attn:																		
Fax #: (732) 295-2150	FAX # (732) 295-2150																		
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.																	
EMAIL Address: jclabby@jmceenvironmental.com	Address:	4 Tri Harbor Court																	
Sampler: Steve Koench, Chris Cho	Port Washington, NY 11050																		
Project Name: Arsynco	(with copy to: JMC Environmental (attn: J. Clabby))																		
Project Location (State): NJ	Attn: Ed Kelly																		
Bottle Order #:	PO # 22126																		
Quote # : SR041205	Sample Matrix																		
DW - Drinking Water AQ - Aqueous WW - Waste Water																			
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)																			
S - Soil SL - Sludge SOL - Solid W - Wipe																			
SAMPLE INFORMATION		ANALYTICAL PARAMETERS										# BOTTLES & PRESERVATIVES							
Client ID	Depth (ft only)	Date	Time	Matrix	# container s	IAL #	TCL PCB (8082)							HCl	HNO3	NaOH	Na2SO4	NaOAc/KAc	Spirite
N-4COW(0-2.0)		9/10/13	9:40	S	1	1	x												
M-44S(0-2.0)			9:55	S	1	2	x												
J-42S(0-2.0)			10:45	S	1	3	x												
J-42S(2.0-4.0)			10:46	S	1	4	x												
H-39S(0-2.0)			11:21	S	1	5	x												
H-39S(2.0-4.0)			11:22	S	1	6	x												
I-39S(0-2.0)			12:00	S	1	7	x												
I-39W(0-2.0)	✓		12:30	S	1	8	x												
Known Hazard: Yes or No		Describe:		Conc. Expected:		Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)										

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Releasing by: <i>[Signature]</i>	9/10/13	13:30	Received by: <i>[Signature]</i>	9/10/13	13:30
Releasing by: <i>[Signature]</i>	9/10/13	15:30	Received by: <i>[Signature]</i>	9/10/13	15:30
Releasing by:			Received by:		
Releasing by:			Received by:		
Releasing by:			Received by:		
Releasing by:			Received by:		

Comments:

Lab Case #

08844

PAGE: 1 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

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Integrated Analytical Lab
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.lalononline.com

CUSTOMER INFO

REPORTING UNIT

Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 07874		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX #	(732) 295-2150
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmcevironmental.com	Address:	4 Tri Harbor Court
Sampler: Steve Kosch, Chris Cho		Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))	
Project Location (State): NJ	Attn:	Ed Kelly
Bottle Order #:	PO #	22126

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

***Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE**

PHC - MUST CHOOSE

PHC - MUST CHOOSE		Rush TAT Charge **	Report Format	EDDs
NJ EPH DRO (5 day TAT)	NJ EPH Fractionated (5 day TAT)		Results Only	SRP format
NJ EPH - C40 (5 day TAT)		24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day 10%	Reduced Regulatory - 15% Surcharge applies Other (describe)	lab approved custom EDD
DRO-3015 (3-5 day TAT)	QAM92S (5 day TAT)			NO EDD/CD REQ'D
Verbal/Fax: Std 2 wk unless otherwise specified				
24 hr**	48 hr**	72 hr**	96 hr**	1 wk**
Other** (specify):				
Hard Copy: Std 3 week *			Other - call for price	Cooler Temp <u>-44</u> °C

ANALYTICAL PARAMETERS

**# BOTTLES &
PRESERVATIVES**

L#	TCL PCB (8082)	HCL	HDH3	MAOH	HEC04	NAOHZNAC	Stain
1	X						
2	X						
3	X						
4	X						
5	X						
6	X						
7	X						
8	X						
9	X						
10	X						

Known Hazard: Yes or No Describe: Canc. Expected: Low Med High

MDL Reg: GWCS (11/05) - SRS - SRS/GW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): DHL Courier Client Courier FedEx/UPS

Company	Date	Time
JK DAL	9/10/13	13:30
	9/10/13	1533

Comments:

Lah Case

PAGE: 2 of 2

LARCONICS WHITE & YELLOW CLIENT COPY PRINT

60

-

PROJECT INFORMATION

E13-08844: ARSYNCO

To: Jim Clabby
 JMC Environmental Consultants
 Fax: 1(732) 295-2150
 EMail: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
 2109 Bridge Avenue
 Building B
 Point Pleasant, NJ 08742
 Attn: Jim Clabby

Bill To

JMC Environmental Consultants
 Aceto Corp.
 4 Tri Harbor Court
 Port Washington, NY 11050
 Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Sep 10, 2013 @ 15:33	NA	Sep 24, 2013	Oct 01, 2013 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet): NJ SRS**

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
08844-001	N-46W (0-2.0)	0/2	09/10/13@09:40	Soil	mg/Kg (ppm)	
08844-002	M-44S (0-2.0)	0/2	09/10/13@09:55	Soil	mg/Kg (ppm)	
08844-003	J-42S (0-2.0)	0/2	09/10/13@10:45	Soil	mg/Kg (ppm)	
08844-004	J-42S (2.0-4.0)	2/4	09/10/13@10:46	Soil	mg/Kg (ppm)	
08844-005	H-39S (0-2.0)	0/2	09/10/13@11:21	Soil	mg/Kg (ppm)	
08844-006	H-39S (2.0-4.0)	2/4	09/10/13@11:22	Soil	mg/Kg (ppm)	
08844-007	I-39S (0-2.0)	0/2	09/10/13@12:00	Soil	mg/Kg (ppm)	
08844-008	I-39W (0-2.0)	0/2	09/10/13@12:30	Soil	mg/Kg (ppm)	
08844-009	K-42S (0-2.0)	0/2	09/10/13@13:25	Soil	mg/Kg (ppm)	
08844-010	FB-6	NA	09/10/13@13:35	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
002	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
003	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
004	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
005	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
006	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
007	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
008	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
009	TCL PCB	Analyze	8082	STD/2 WKS	9/24/2013
010	TCL PCB	Analyze	8082	STD/2 WKS	9/17/2013



Integrated Analytical Laboratories LLC

Sep 13, 2013 @ 08:38

PROJECT INFORMATION

E13-08844: ARSYNCO

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Page 2 of 2



IAL is a NELAP New Jersey Accredited Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Pennsylvania (68-00773). E13-08844 0089

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

08844

CLIENT: COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

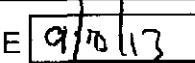
 = YES/NA = NOVOA received: Encore IGW - Methanol(check one) Terra Core No Preservative

- Bottles Intact
- no-Missing Bottles
- no-Extra Bottles

- Sufficient Sample Volume
- no-headspace/bubbles in VOs
- Labels intact/correct
- pH Check (exclude VOs)¹
- Correct bottles/preservative
- Sufficient Holding/Prep Time¹
- Multiphasic Sample
- Sample to be Subcontracted
- Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL DATE CORRECTIVE ACTION REQUIRED: YES 

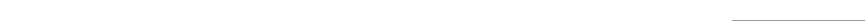
(SEE BELOW)

NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES  Date/ Time: _____ NO 

PROJECT CONTACT:



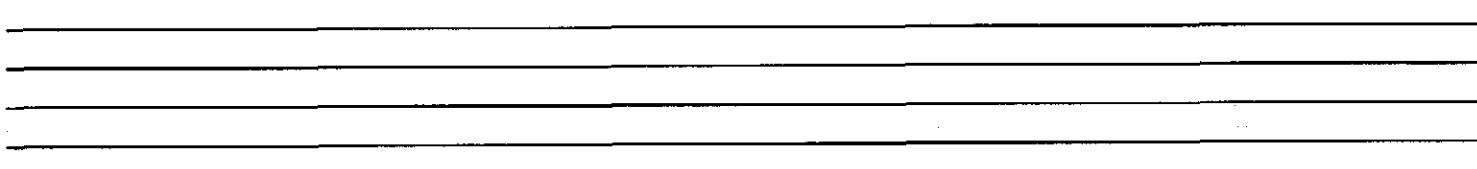
SUBCONTRACTED LAB:



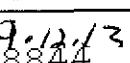
DATE SHIPPED:



ADDITIONAL COMMENTS:



VERIFIED/TAKEN BY:

INITIAL DATE 

E13-08844

00902013

Laboratory Custody Chronicle

IAL Case No.

E13-08844

Client JMC Environmental Consultants

Project ARSYNCO

Received On 9/10/2013@15:33

Department: GC

TCL PCB	Sample ID	Type	Prep. Date	Analyst	Analysis Date	Analyst
	08844-001	Soil	9/10/13	Archimede	9/11/13	Justyna
"	-002	"	9/10/13	Archimede	9/11/13	Justyna
"	-003	"	9/10/13	Archimede	9/11/13	Justyna
"	-004	"	9/10/13	Archimede	9/11/13	Justyna
"	-005	"	9/10/13	Archimede	9/11/13	Justyna
"	-006	"	9/10/13	Archimede	9/11/13	Justyna
"	-007	"	9/10/13	Archimede	9/11/13	Justyna
"	-008	"	9/10/13	Archimede	9/11/13	Justyna
"	-009	"	9/10/13	Archimede	9/11/13	Justyna
"	-010	Aqueous	9/11/13	Archimede	9/11/13	Justyna